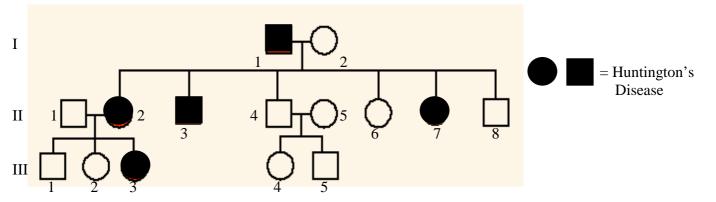
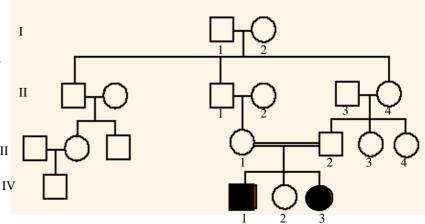
Pedigree	Works	heet



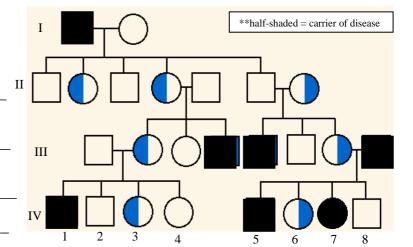
- 1. Which members of the family above are afflicted with Huntington's Disease? _____
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- 3. How many children did individuals I-1 and I-2 have?
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- 6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? _____
- 7. How do you know? _____
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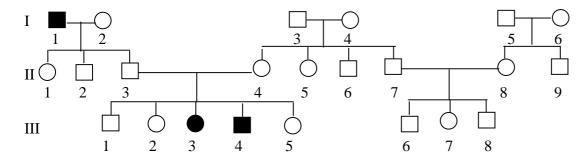
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\bigcirc	female, unaffected	male, unaffected
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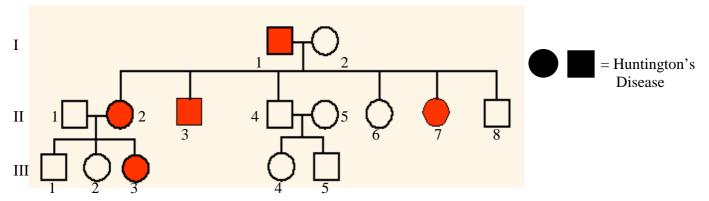


Try to identify the genotypes of the following individuals using the pedigree above. (homozygous dominant, homozygous recessive, heterozygous)

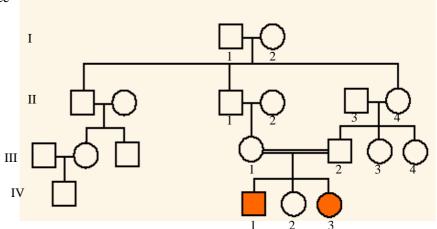
`	30	,	30	,	20					
•	III-3:					•	I-1:			
	TT 1						TT 4		 ·	

1. Is this trait dominant or recessive? Explain your answer.

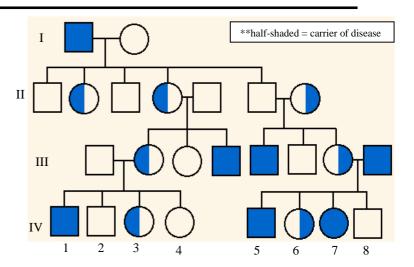
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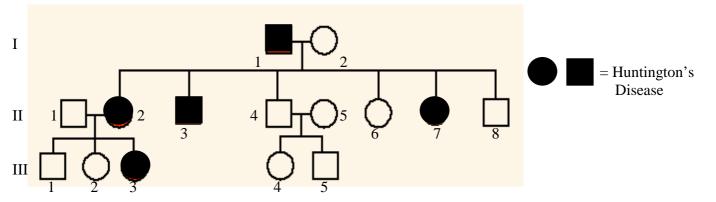
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- 3. How many children did individuals I-1 and I-2 have? 6
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- 16. Name 2 IV generation colorblind males. IV1, IV5

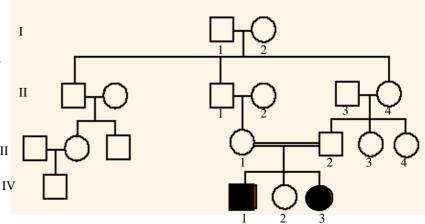


Pedigree	Works	heet



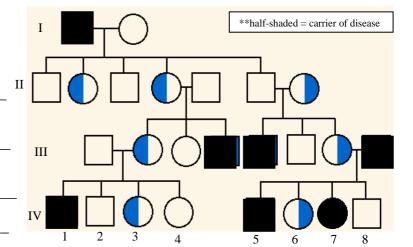
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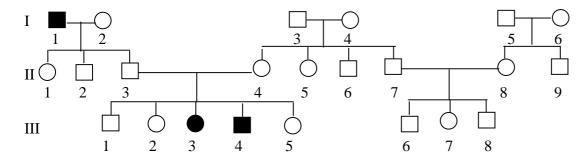
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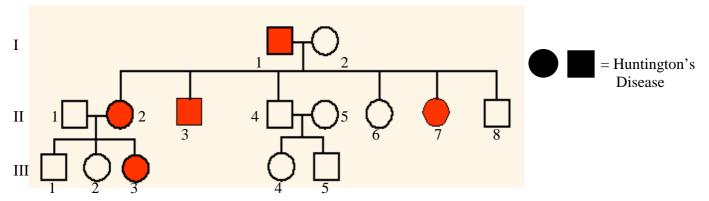


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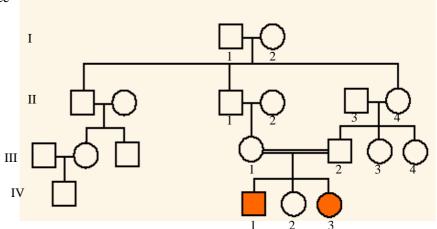
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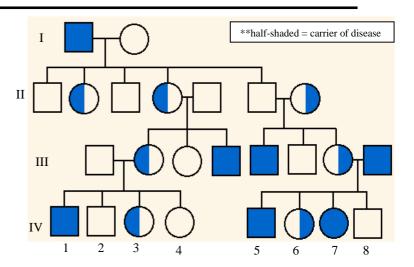
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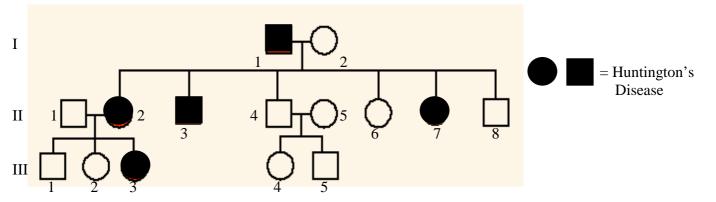
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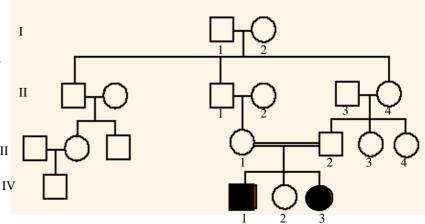


Pedigree	Works	heet



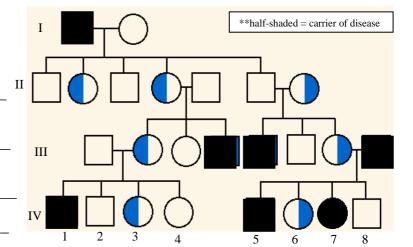
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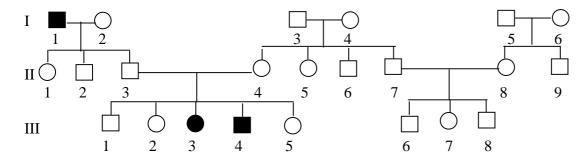
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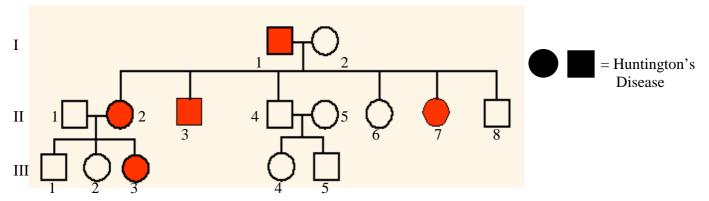


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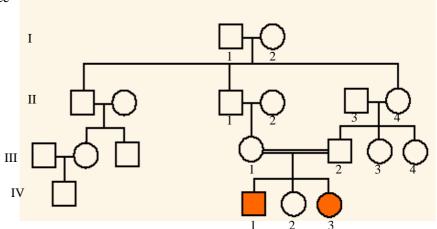
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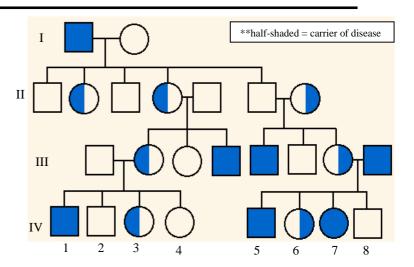
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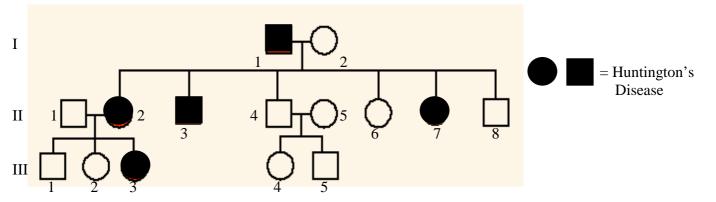
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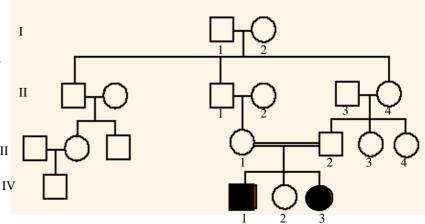


Pedigree	Works	heet



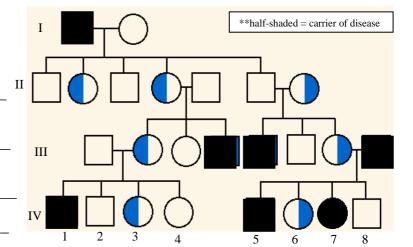
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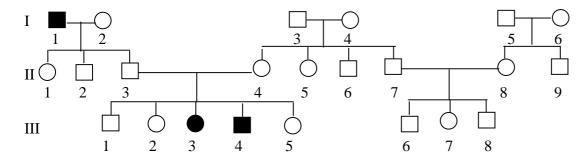
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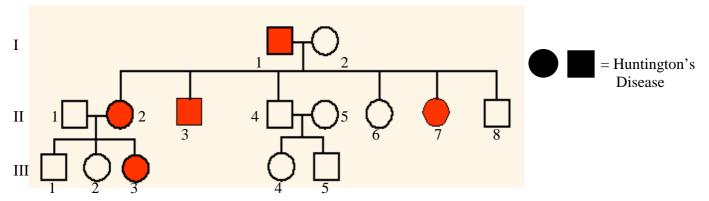


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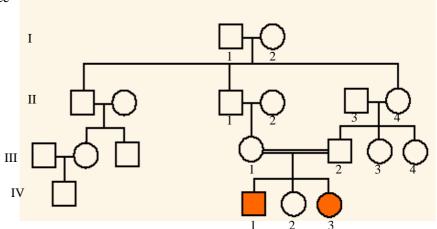
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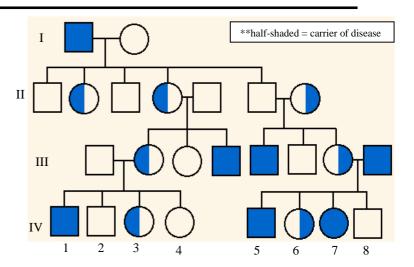
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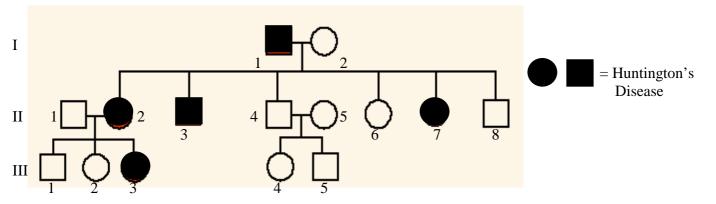
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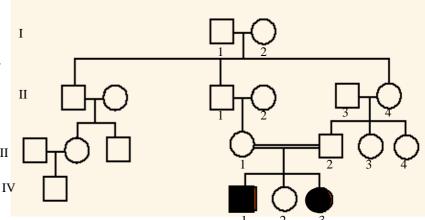


Pedigree Worksheet	Pedigree	Worksheet
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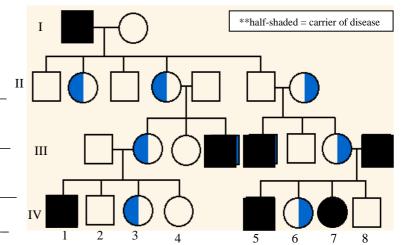
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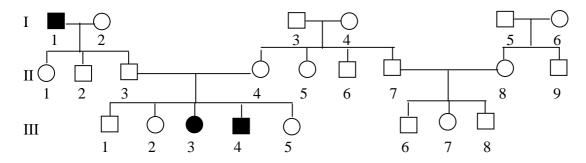
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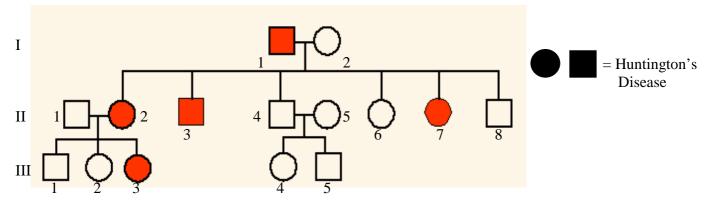


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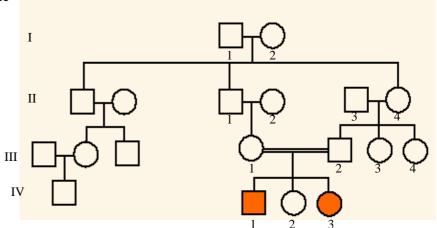
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•	Π_1·	•	ΠA .

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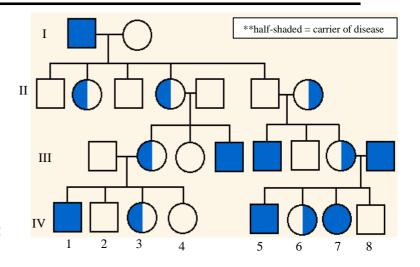
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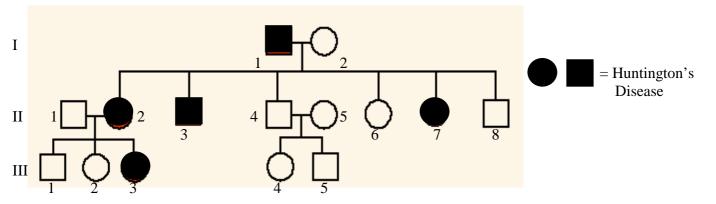
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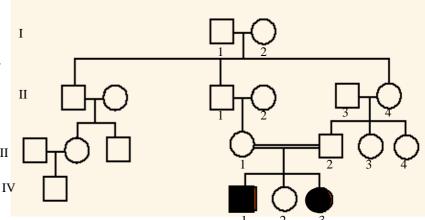


Pedigree Worksheet	Pedigree	Worksheet
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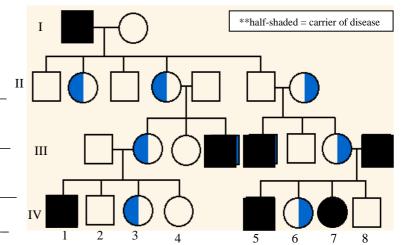
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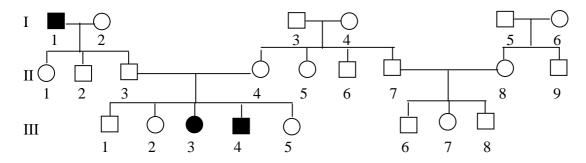
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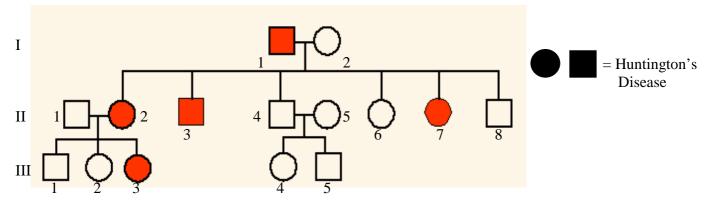


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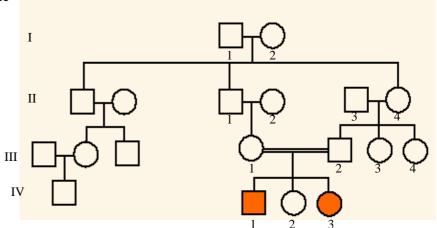
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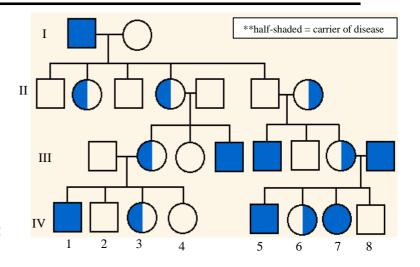
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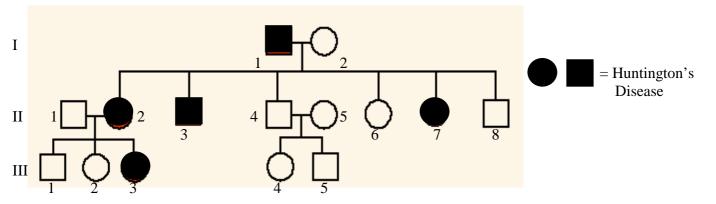
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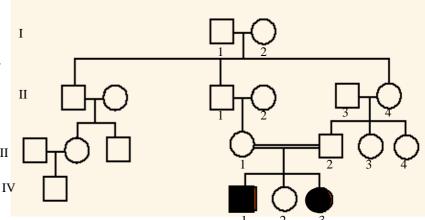


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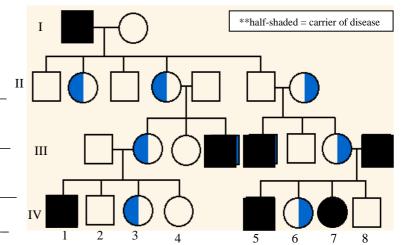
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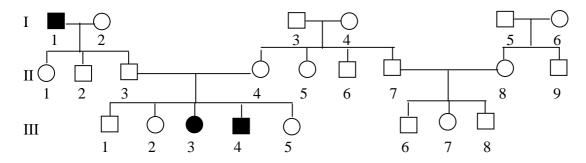
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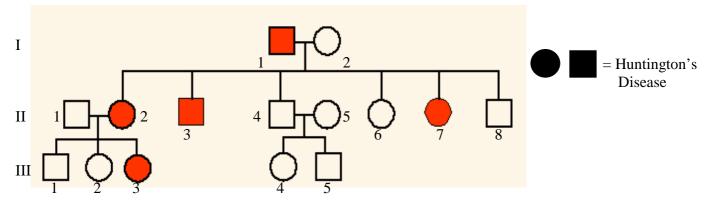


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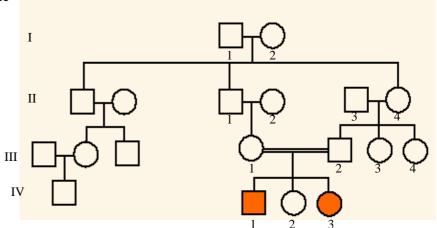
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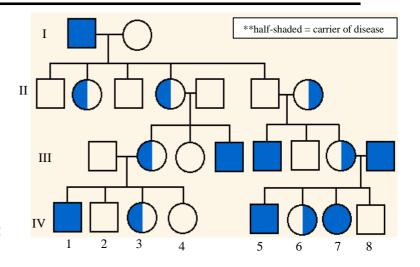
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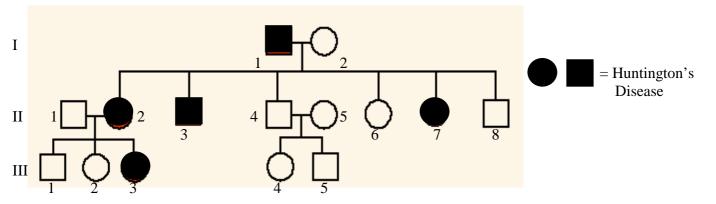
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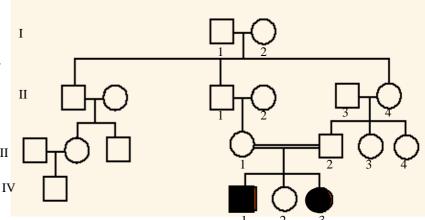


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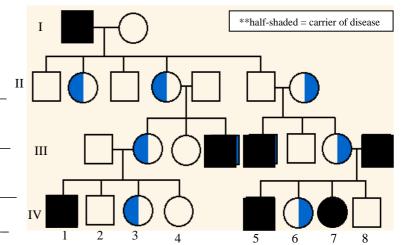
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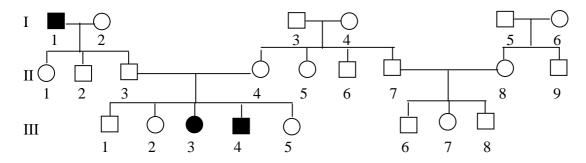
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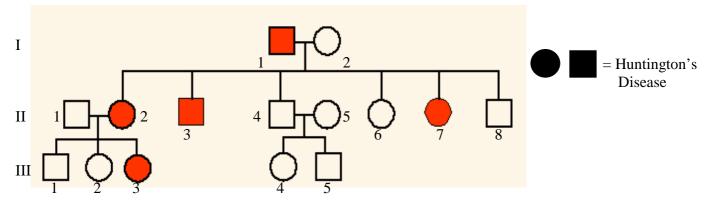


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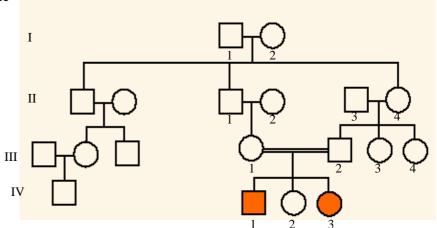
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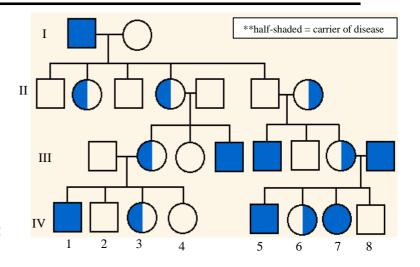
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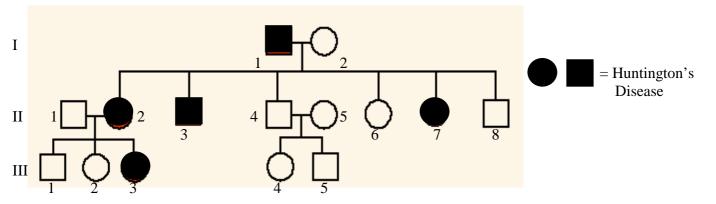
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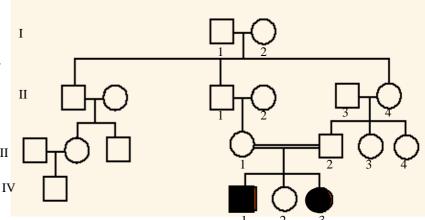


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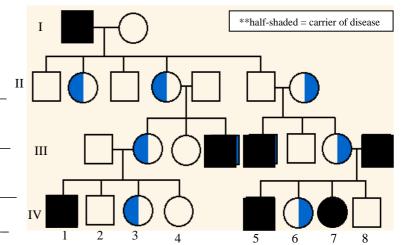
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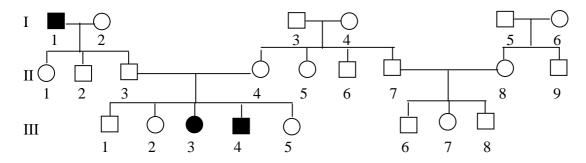
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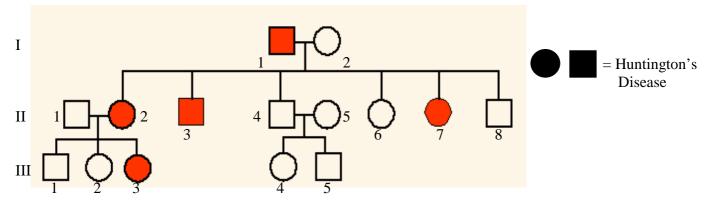


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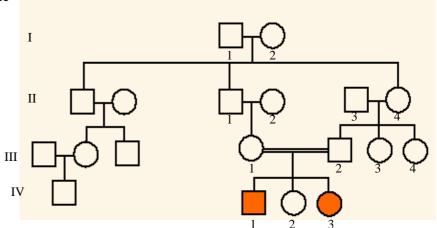
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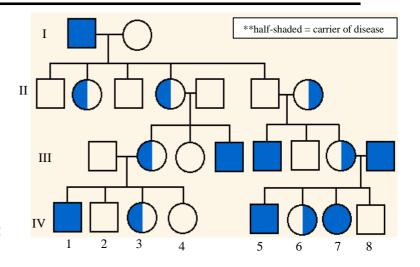
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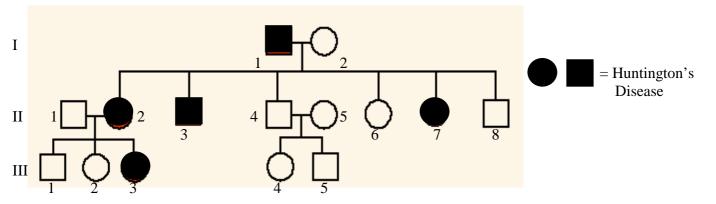
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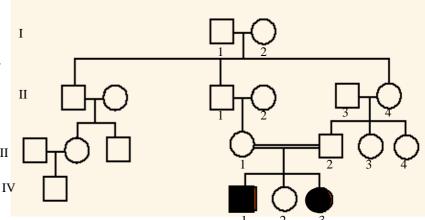


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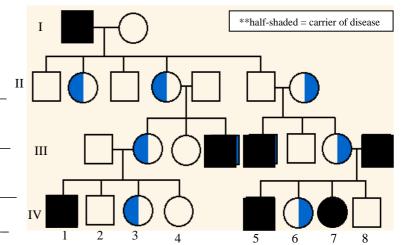
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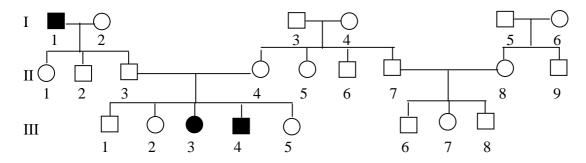
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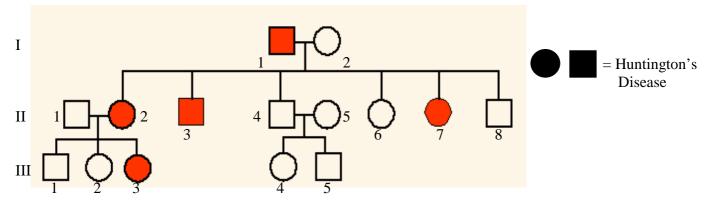


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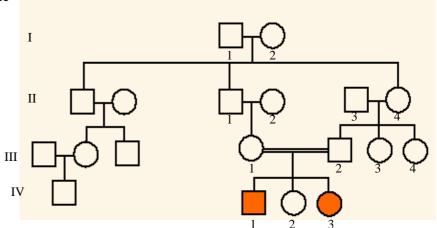
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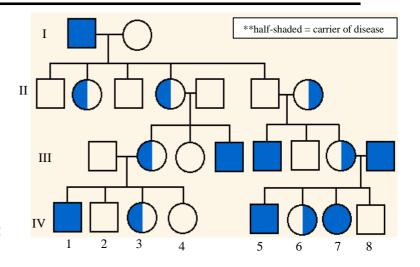
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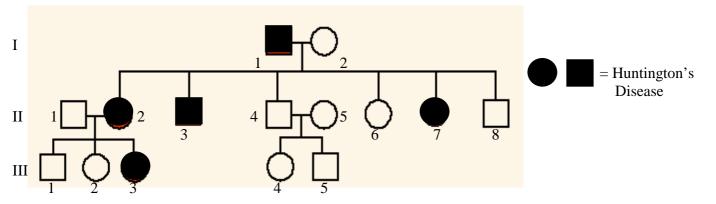
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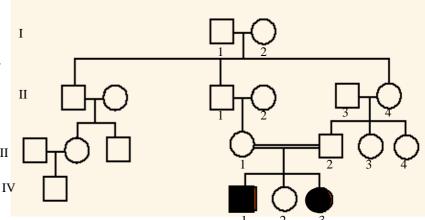


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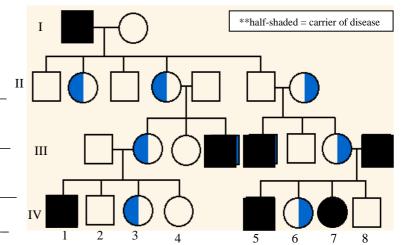
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- 7. How do you know? _____
- 8. How are individuals III-1 and III-2 related? _____
- 9. How would you name the 2 individuals that have hitchhiker's thumb?
- 10. Name the 2 individuals that were carriers of hitchhiker's thumb.



- 11. Is it possible for individual IV-2 to be a carrier? _____ Why? _____
- 12. The pedigree to the right shows a family's pedigree for colorblindness. Which sex can be carriers of colorblindness and not have it?
- 13. With this in mind, what kind of trait is colorblindness (use your notes)?
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15. Why do all the daughters in generation II carry the colorblind gene? _____



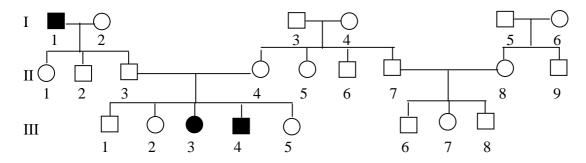
Name			

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\bigcirc	female, unaffected	male, unaffected
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cinia boni

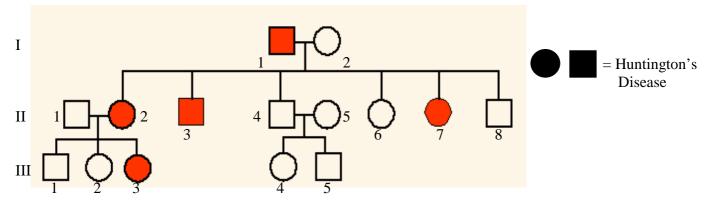


Try to identify the genotypes of the following individuals using the pedigree above. (homozygous dominant, homozygous recessive, heterozygous)

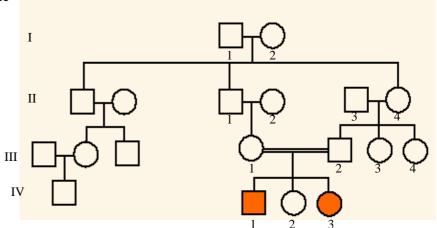
•	III-3:	•	I-1:
•	Π_1·	•	ΠA .

1. Is this trait dominant or recessive? Explain your answer.

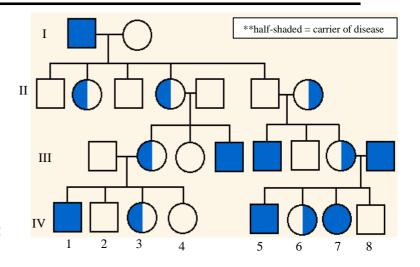
2. How can you know for sure that individuals II-3 and II-4 are heterozygous?	



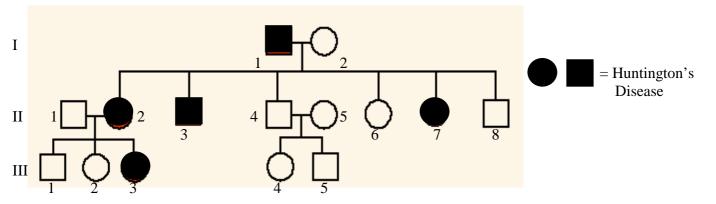
- 1. Which members of the family above are afflicted with Huntington's Disease? I1, II2, II3, II7, III3
- 2. There are no carriers for Huntington's Disease- you either have it or you don't. With this in mind, is Huntington's disease caused by a dominant or recessive trait? **Dominant**
- 3. How many children did individuals I-1 and I-2 have? 6
- 4. How many girls did II-1 and II-2 have? 2 How many have Huntington's Disease? 1 or 5
- 5. How are individuals III-2 and II-4 related? Uncle/Niece I-2 and III-5? Grandma/Grandson
- 6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? **Recessive**
- 7. How do you know? **III1 and III2 do not have it but their children do.**
- 8. How are individuals III-1 and III-2 related? **Cousins/Marriage**
- 9. How would you name the 2 individuals that have hitchhiker's thumb? **IV1 and IV3**
- 10. Name the 2 individuals that were carriers of hitchhiker's thumb. **III1 and III2**



- 11. Is it possible for individual IV-2 to be a carrier? Yes Why? b/c parents were heterozygous
- 12. The pedigree to the right shows a family's pedigree for colorblindness. Which sex can be carriers of colorblindness and not have it? **Females**
- 13. With this in mind, what kind of trait is colorblindness (use your notes)? **Sexlinked/recessive**
- 14. Why does individual IV-7 have colorblindness? b/c mom was a carrier and dad was affected
- 15. Why do all the daughters in generation II carry the colorblind gene? b/c dad was affected and its on the X
- 16. Name 2 IV generation colorblind males. IV1, IV5

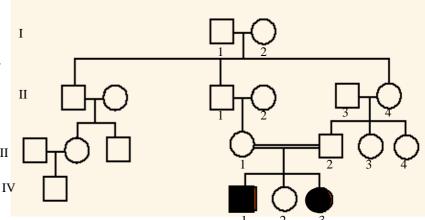


Pedigree Worksheet	Pedigree	Worksheet
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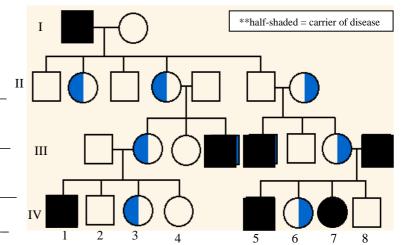
- 1. Which members of the family above are afflicted with Huntington's Disease? _____
- 2. There are no carriers for Huntington's Disease- you either have it or you don't.

 With this in mind, is Huntington's disease caused by a dominant or recessive trait?
- 3. How many children did individuals I-1 and I-2 have?
- 4. How many girls did II-1 and II-2 have? _____ How many have Huntington's Disease? _____
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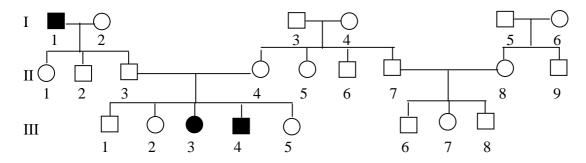
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cinia boni

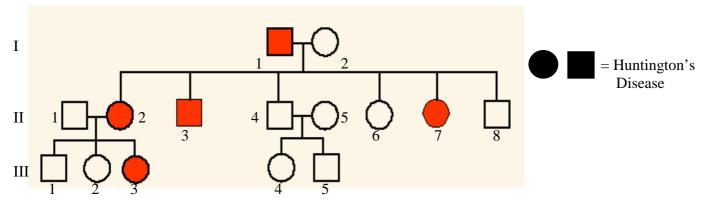


Try to identify the genotypes of the following individuals using the pedigree above. (homozygous dominant, homozygous recessive, heterozygous)

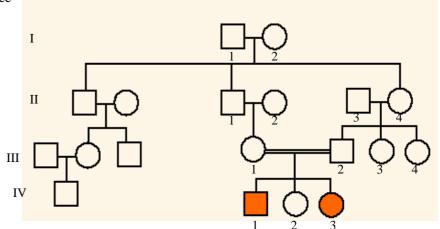
•	III-3:	•	I-1:
•	Π_1·	•	ΠA .

1. Is this trait dominant or recessive? Explain your answer.

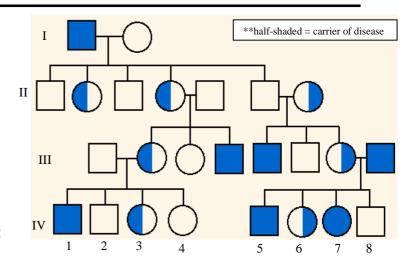
2. How can you know for sure that individuals II-3 and II-4 are heterozygous?	



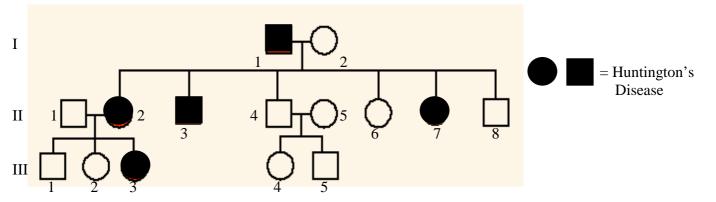
- 1. Which members of the family above are afflicted with Huntington's Disease? I1, II2, II3, II7, III3
- 2. There are no carriers for Huntington's Disease- you either have it or you don't. With this in mind, is Huntington's disease caused by a dominant or recessive trait? **Dominant**
- 3. How many children did individuals I-1 and I-2 have? 6
- 4. How many girls did II-1 and II-2 have? 2 How many have Huntington's Disease? 1 or 5
- 5. How are individuals III-2 and II-4 related? Uncle/Niece I-2 and III-5? Grandma/Grandson
- 6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? **Recessive**
- 7. How do you know? **III1 and III2 do not have it but their children do.**
- 8. How are individuals III-1 and III-2 related? **Cousins/Marriage**
- 9. How would you name the 2 individuals that have hitchhiker's thumb? **IV1 and IV3**
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- 12. The pedigree to the right shows a family's pedigree for colorblindness. Which sex can be carriers of colorblindness and not have it? **Females**
- 13. With this in mind, what kind of trait is colorblindness (use your notes)? **Sexlinked/recessive**
- 14. Why does individual IV-7 have colorblindness? **b/c mom was a carrier and dad was affected**
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- 16. Name 2 IV generation colorblind males. IV1, IV5

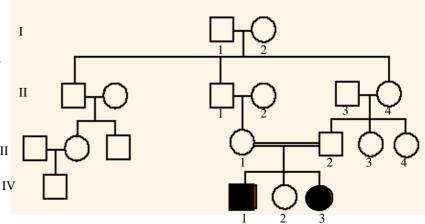


Pedigree	Works	heet



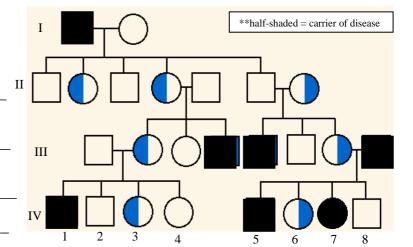
- 1. Which members of the family above are afflicted with Huntington's Disease? _____
- 2. There are no carriers for Huntington's Disease- you either have it or you don't.

 With this in mind, is Huntington's disease caused by a dominant or recessive trait?
- 3. How many children did individuals I-1 and I-2 have?
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- 5. How are individuals III-2 and II-4 related? ______ I-2 and III-5? _____
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- 7. How do you know? _____
- 8. How are individuals III-1 and III-2 related? _____
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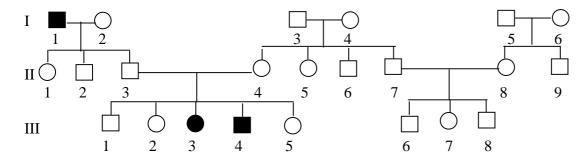
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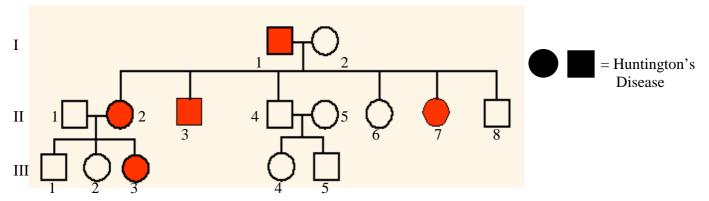


Try to identify the genotypes of the following individuals using the pedigree above. (homozygous dominant, homozygous recessive, heterozygous)

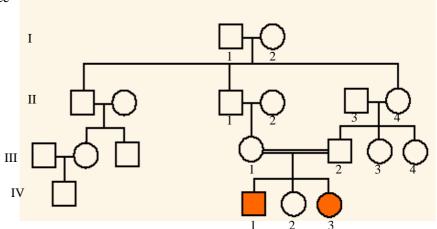
`	30	,	30	,	20					
•	III-3:					•	I-1:			
	TT 1						TT 4		 ·	

1. Is this trait dominant or recessive? Explain your answer.

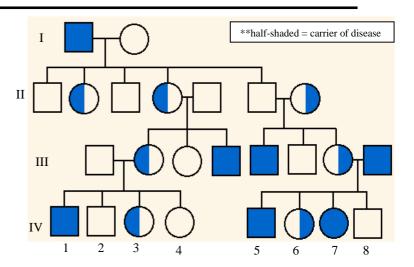
2.	How can you know for sure that individuals II-3 and II-4 are heterozygous?



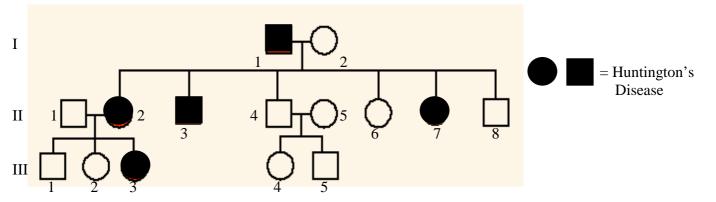
- 1. Which members of the family above are afflicted with Huntington's Disease? I1, II2, II3, II7, III3
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- 3. How many children did individuals I-1 and I-2 have? 6
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- 7. How do you know? **III1 and III2 do not have it but their children do.**
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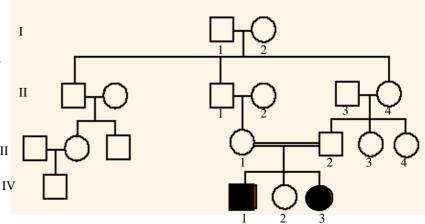


Pedigree	Works	heet



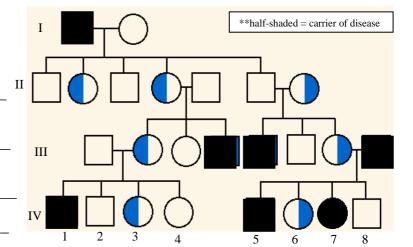
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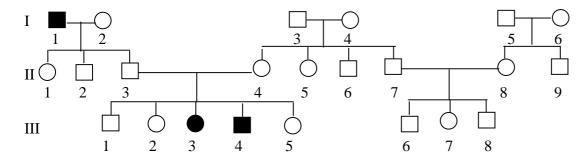
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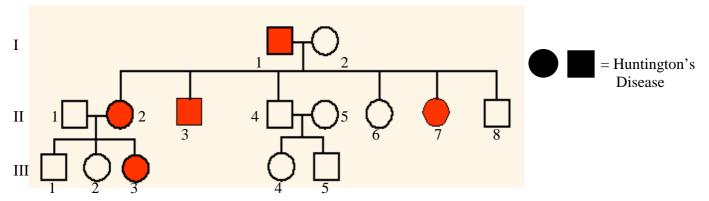


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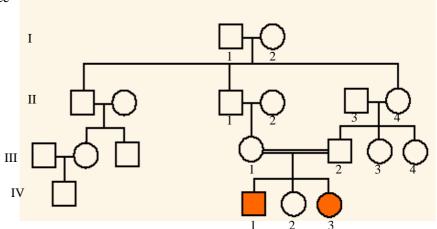
`	30	,	30	,	20					
•	III-3:					•	I-1:			
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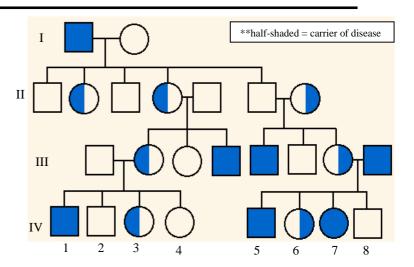
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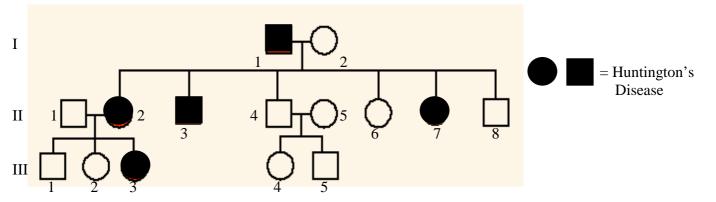
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- 2. There are no carriers for Huntington's Disease- you either have it or you don't. With this in mind, is Huntington's disease caused by a dominant or recessive trait? **Dominant**
- 3. How many children did individuals I-1 and I-2 have? 6
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- 7. How do you know? **III1 and III2 do not have it but their children do.**
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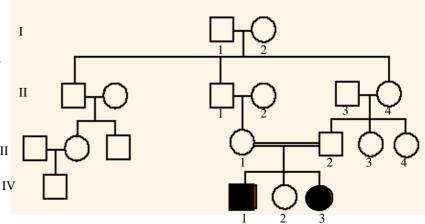


Pedigree	Works	heet



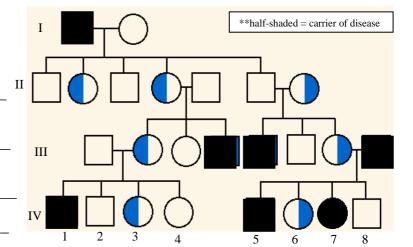
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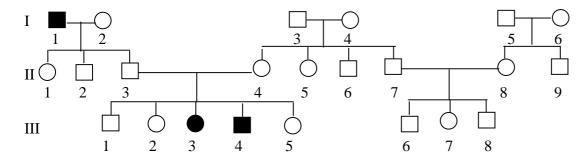
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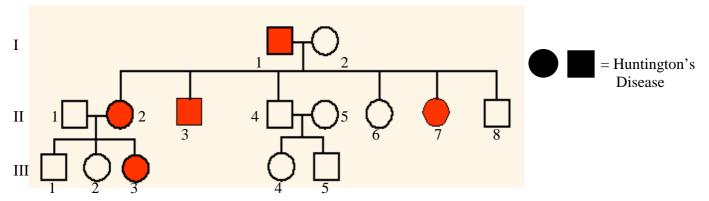


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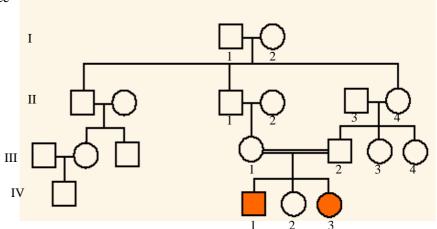
`	30	,	30	,	20					
•	III-3:					•	I-1:			
	TT 1						TT 4		 ·	

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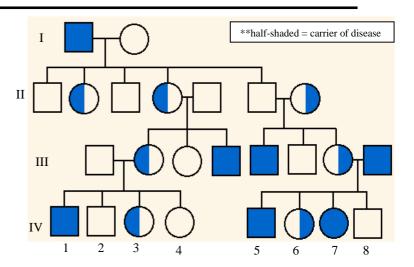
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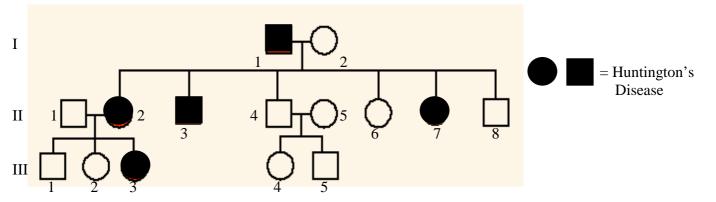
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- 6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? **Recessive**
- 7. How do you know? **III1 and III2 do not have it but their children do.**
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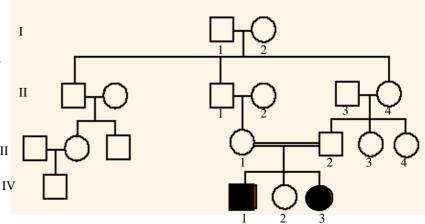


Pedigree	Works	heet



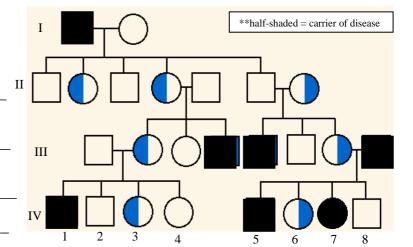
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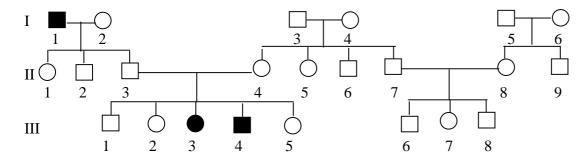
Name

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cinia dom

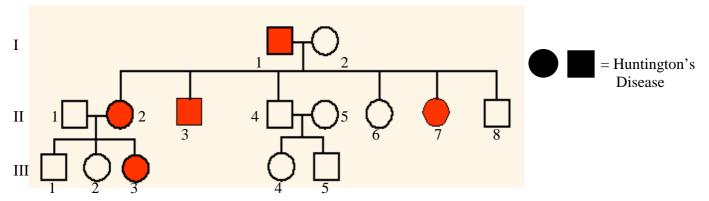


Try to identify the genotypes of the following individuals using the pedigree above. (homozygous dominant, homozygous recessive, heterozygous)

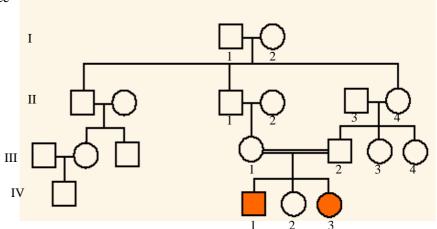
`	30	,	30	,	20					
•	III-3:					•	I-1:			
	TT 1						TT 4		 ·	

1. Is this trait dominant or recessive? Explain your answer.

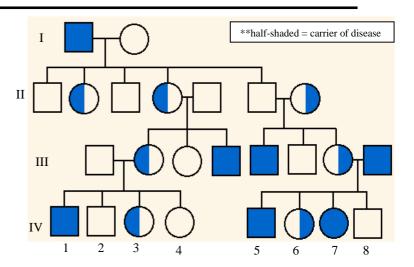
2.	How can you know for sure that individuals II-3 and II-4 are heterozygous?



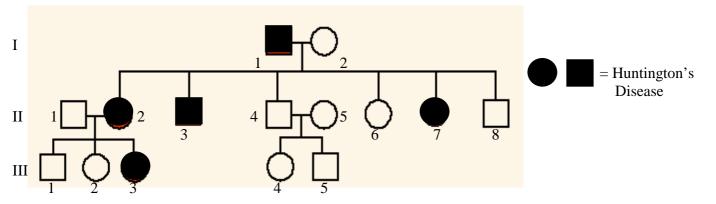
- 1. Which members of the family above are afflicted with Huntington's Disease? I1, II2, II3, II7, III3
- 2. There are no carriers for Huntington's Disease- you either have it or you don't. With this in mind, is Huntington's disease caused by a dominant or recessive trait? **Dominant**
- 3. How many children did individuals I-1 and I-2 have? 6
- 4. How many girls did II-1 and II-2 have? 2 How many have Huntington's Disease? 1 or 5
- 5. How are individuals III-2 and II-4 related? Uncle/Niece I-2 and III-5? Grandma/Grandson
- 6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? **Recessive**
- 7. How do you know? **III1 and III2 do not have it but their children do.**
- 8. How are individuals III-1 and III-2 related? **Cousins/Marriage**
- 9. How would you name the 2 individuals that have hitchhiker's thumb? **IV1 and IV3**
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- 11. Is it possible for individual IV-2 to be a carrier? Yes Why? b/c parents were heterozygous
- 12. The pedigree to the right shows a family's pedigree for colorblindness. Which sex can be carriers of colorblindness and not have it? **Females**
- 13. With this in mind, what kind of trait is colorblindness (use your notes)? **Sexlinked/recessive**
- 14. Why does individual IV-7 have colorblindness? **b/c mom was a carrier and dad was affected**
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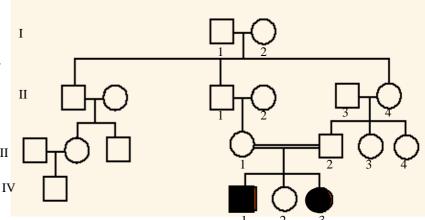


Pedigree Worksheet	Pedigree	Worksheet
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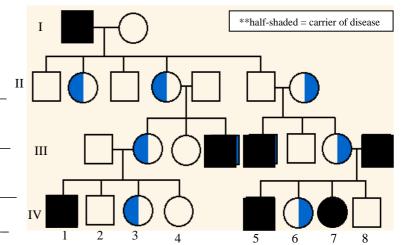
- 1. Which members of the family above are afflicted with Huntington's Disease? _____
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- 3. How many children did individuals I-1 and I-2 have?
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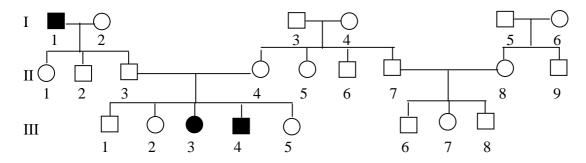
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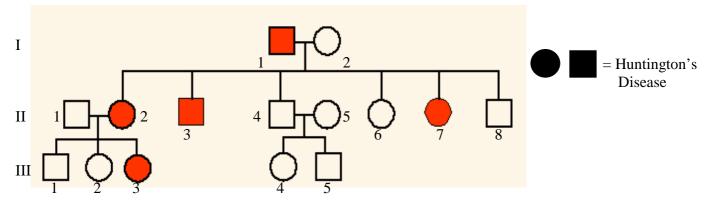


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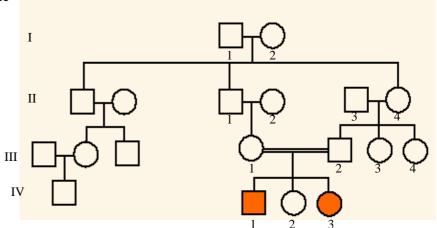
•	III-3:	•	I-1:
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1. Is this trait dominant or recessive? Explain your answer.

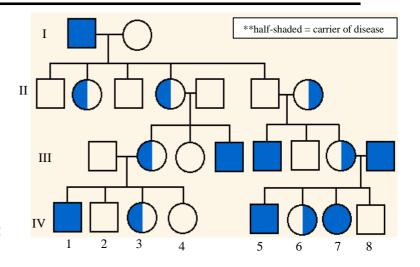
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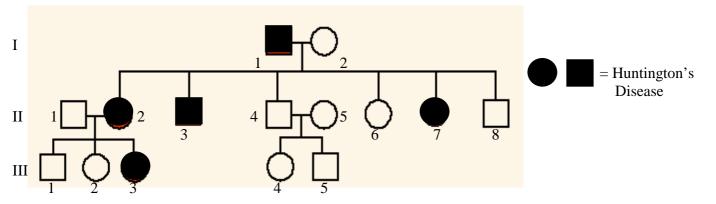
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- 3. How many children did individuals I-1 and I-2 have? 6
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- 5. How are individuals III-2 and II-4 related? Uncle/Niece I-2 and III-5? Grandma/Grandson
- 6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? **Recessive**
- 7. How do you know? **III1 and III2 do not have it but their children do.**
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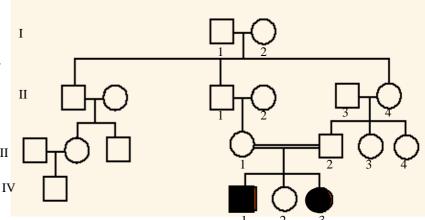


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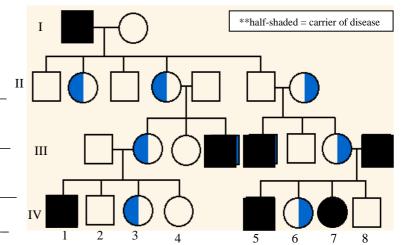
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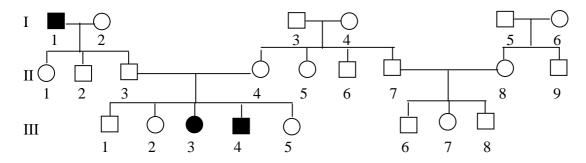
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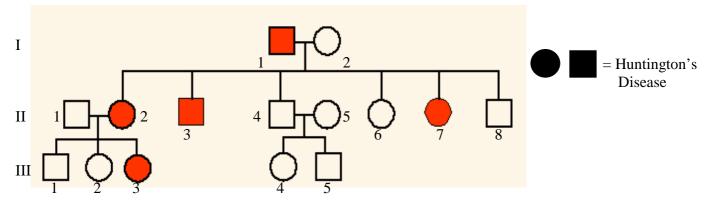


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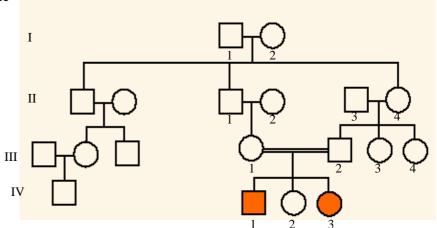
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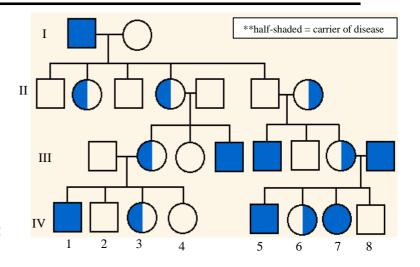
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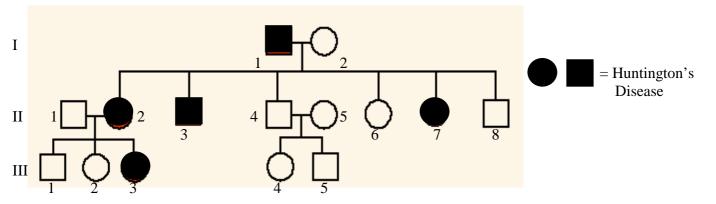
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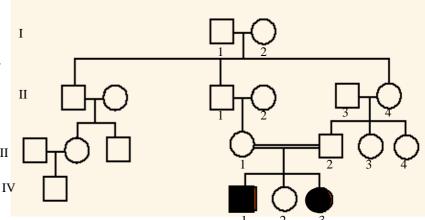


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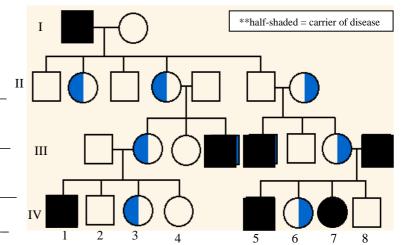
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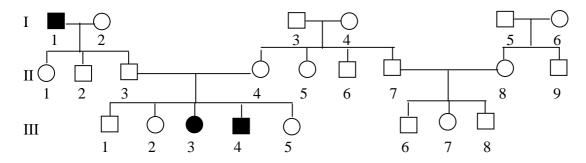
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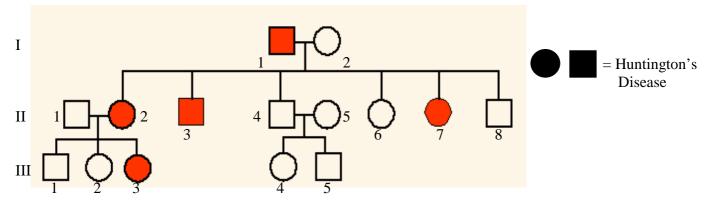


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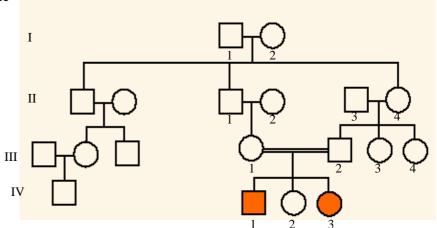
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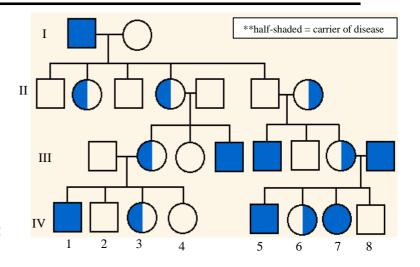
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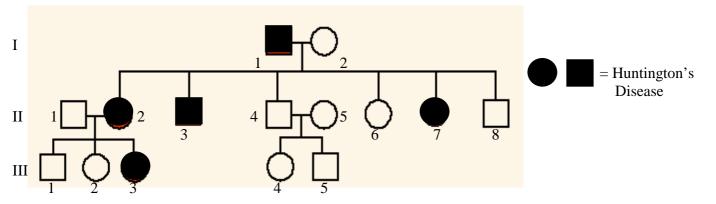
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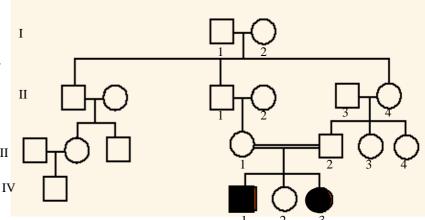


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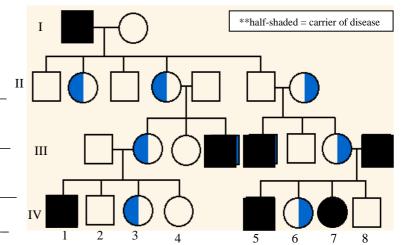
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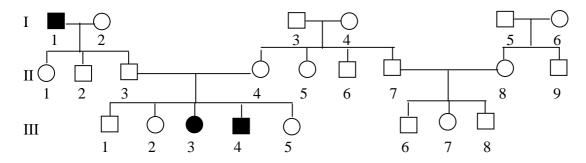
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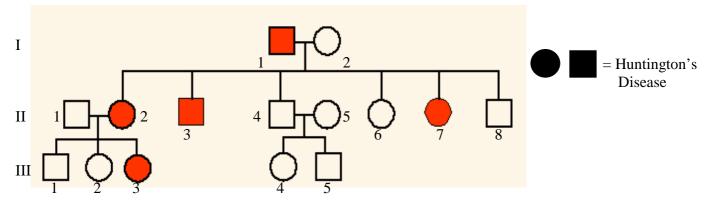


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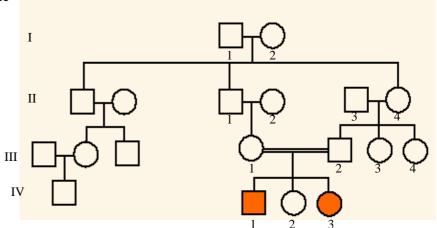
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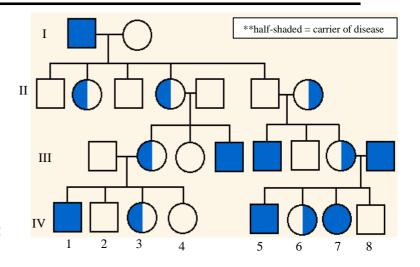
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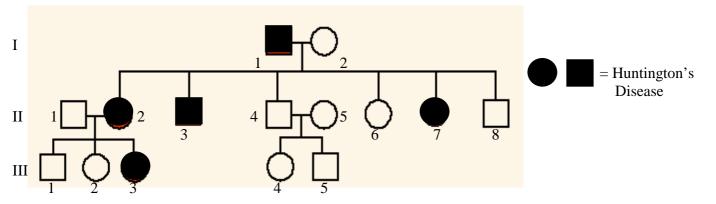
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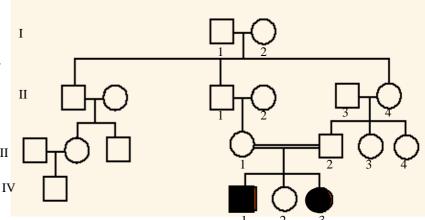


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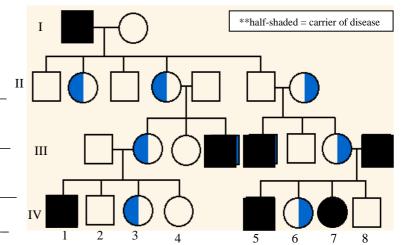
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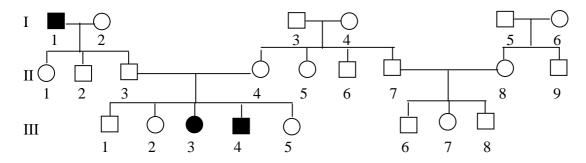
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cinia boni

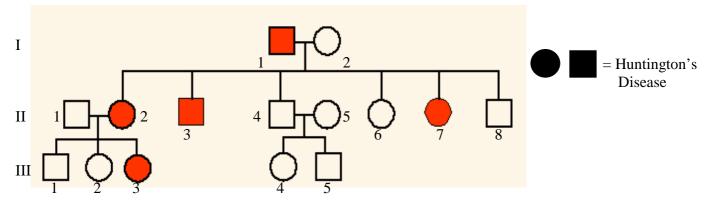


Try to identify the genotypes of the following individuals using the pedigree above. (homozygous dominant, homozygous recessive, heterozygous)

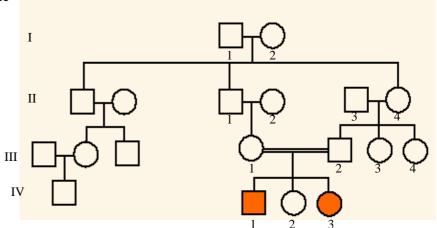
•	III-3:	•	I-1:
•	Π_1·	•	ΠA .

1. Is this trait dominant or recessive? Explain your answer.

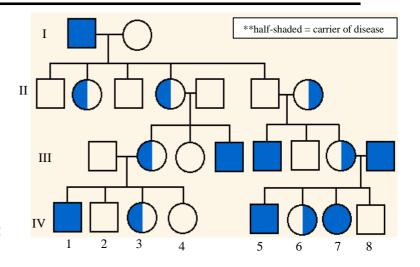
2. How can you know for sure that individuals II-3 and II-4 are heterozygous?	



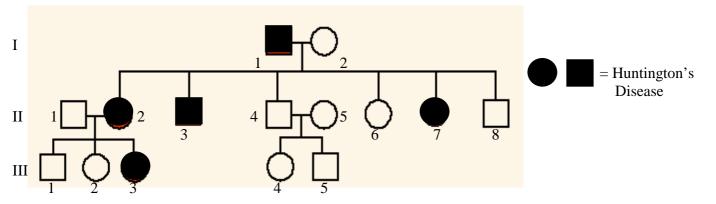
- 1. Which members of the family above are afflicted with Huntington's Disease? I1, II2, II3, II7, III3
- 2. There are no carriers for Huntington's Disease- you either have it or you don't. With this in mind, is Huntington's disease caused by a dominant or recessive trait? **Dominant**
- 3. How many children did individuals I-1 and I-2 have? 6
- 4. How many girls did II-1 and II-2 have? 2 How many have Huntington's Disease? 1 or 5
- 5. How are individuals III-2 and II-4 related? Uncle/Niece I-2 and III-5? Grandma/Grandson
- 6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? **Recessive**
- 7. How do you know? **III1 and III2 do not have it but their children do.**
- 8. How are individuals III-1 and III-2 related? **Cousins/Marriage**
- 9. How would you name the 2 individuals that have hitchhiker's thumb? **IV1 and IV3**
- 10. Name the 2 individuals that were carriers of hitchhiker's thumb. **III1 and III2**



- 11. Is it possible for individual IV-2 to be a carrier? Yes Why? b/c parents were heterozygous
- 12. The pedigree to the right shows a family's pedigree for colorblindness. Which sex can be carriers of colorblindness and not have it? **Females**
- 13. With this in mind, what kind of trait is colorblindness (use your notes)? **Sexlinked/recessive**
- 14. Why does individual IV-7 have colorblindness? b/c mom was a carrier and dad was affected
- 15. Why do all the daughters in generation II carry the colorblind gene? b/c dad was affected and its on the X
- 16. Name 2 IV generation colorblind males. IV1, IV5

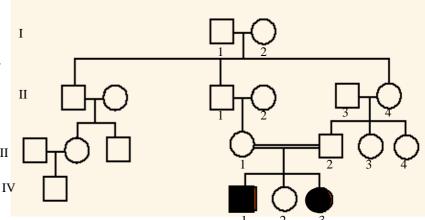


Pedigree Worksheet	Pedigree	Worksheet
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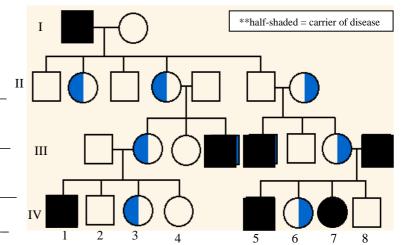
- 1. Which members of the family above are afflicted with Huntington's Disease? _____
- 2. There are no carriers for Huntington's Disease- you either have it or you don't.

 With this in mind, is Huntington's disease caused by a dominant or recessive trait?
- 3. How many children did individuals I-1 and I-2 have?
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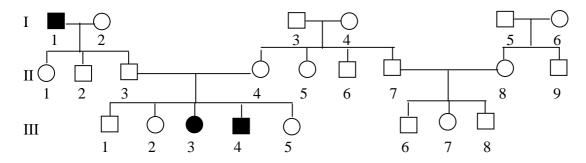
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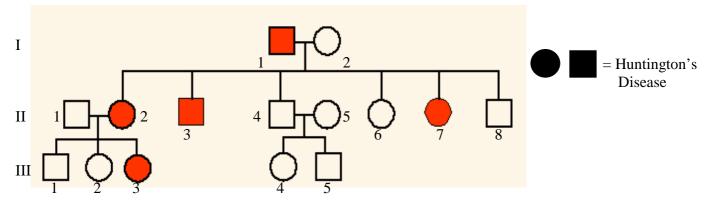


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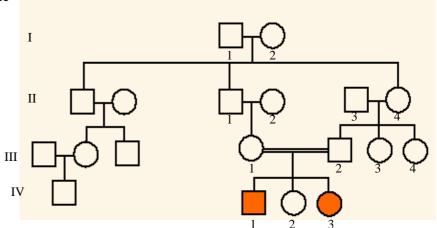
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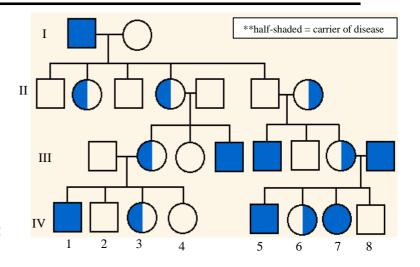
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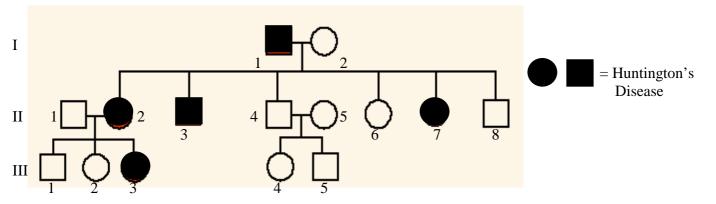
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- 2. There are no carriers for Huntington's Disease- you either have it or you don't. With this in mind, is Huntington's disease caused by a dominant or recessive trait? **Dominant**
- 3. How many children did individuals I-1 and I-2 have? 6
- 4. How many girls did II-1 and II-2 have? 2 How many have Huntington's Disease? 1 or 5
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- 6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? **Recessive**
- 7. How do you know? **III1 and III2 do not have it but their children do.**
- 8. How are individuals III-1 and III-2 related? **Cousins/Marriage**
- 9. How would you name the 2 individuals that have hitchhiker's thumb? **IV1 and IV3**
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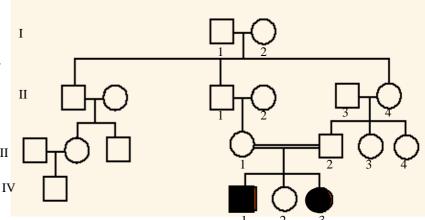


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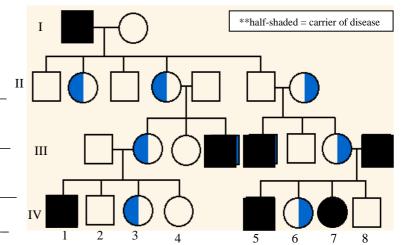
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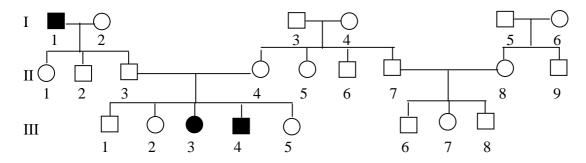
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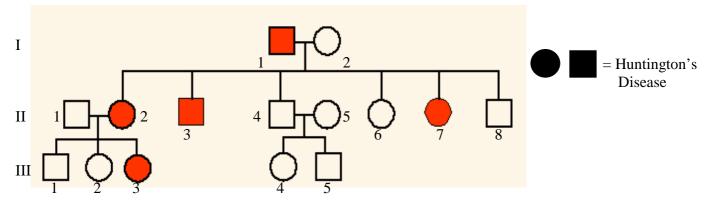


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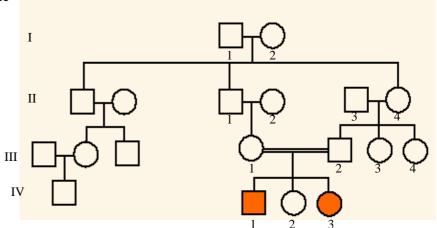
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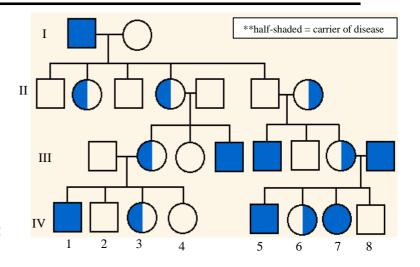
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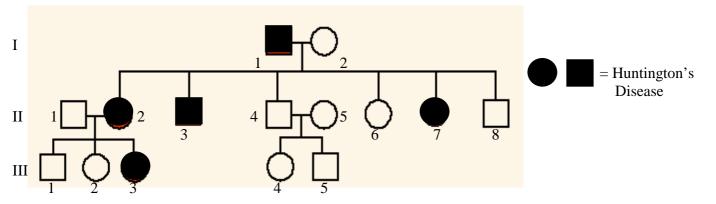
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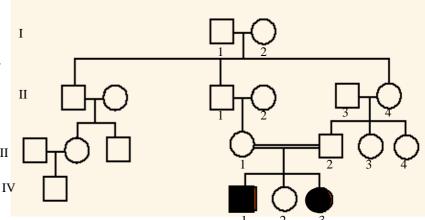


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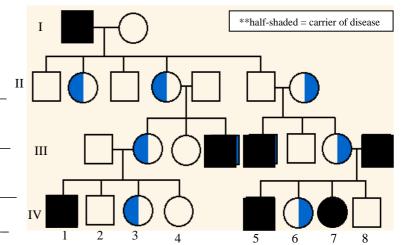
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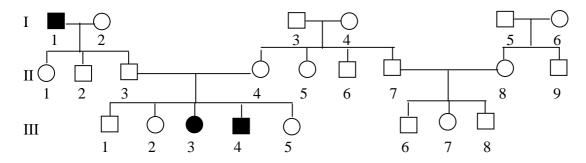
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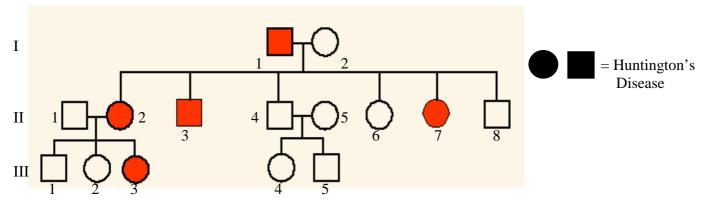


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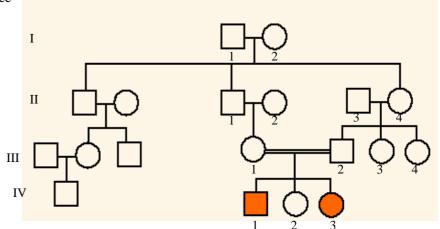
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