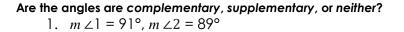
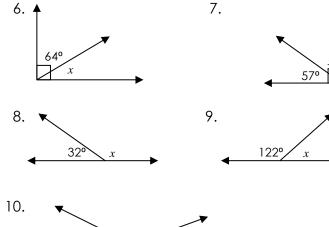
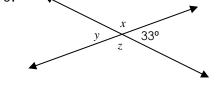
#### Angle Relationships & PT Are You Ready?



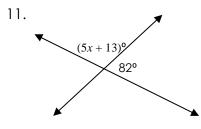
- 2.  $m \angle 3 = 17^{\circ}, m \angle 4 = 73^{\circ}$
- 3.  $m \angle 5 = 124^{\circ} m \angle 6 = 66^{\circ}$
- 4.  $m \angle 7 = 33^{\circ} m \angle 8 = 148^{\circ}$
- 5.  $m \angle 9 = 52^{\circ} m \angle 10 = 38^{\circ}$

#### Find the missing angle measure.

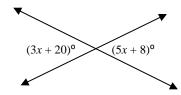




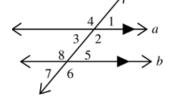
# Find the value of x in the figure. <u>Then find the unknown</u> angle measures.



12.



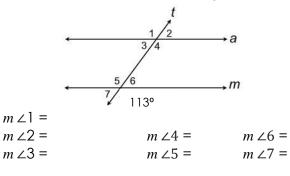
Tell whether the angles in the diagram are corresponding, alternate interior, alternate exterior, supplementary, or vertical angles.



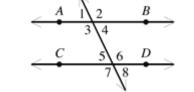
- 13. ∠4 & ∠8
   16. ∠1 & ∠3
- 14. ∠3 & ∠5
   17. ∠1 & ∠2

15. ∠1&∠7

Lines a and m are parallel.
 Find the measure of the angles listed below.

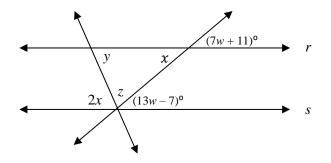


Use the diagram to answer the following questions.

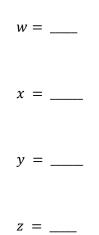


13.  $m \angle 3 = (6x + 13)^{\circ}$  and  $m \angle 7 = (3x + 67)^{\circ}$ What is the value of x?

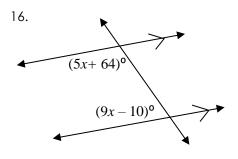
14.  $m \ge 1 = (4x + 18)^{\circ}$  and  $m \ge 8 = (5x + 10)^{\circ}$ What is the value of x? Lines r & s are parallel. Use the diagram below to answer the following questions.



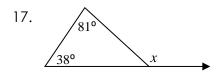
15. Find the value of w, x, y and z.



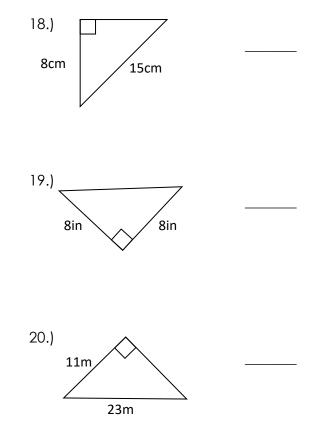
Find the value of x.



#### Find the value of x.



Find the length of the missing side (round to nearest tenth).



## Do the following lengths form a right triangle?

21.)	1, 2, 3	yes	no
22.)	14, 28, 50	yes	no
23.)	24, 32, 40	yes	no

### Find the length of the hypotenuse to the nearest tenth.

24.)

