

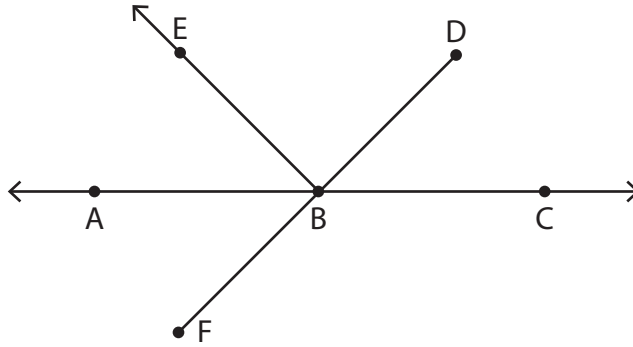
Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 1: S1

Read the figure and answer the questions.

1)



a) Name all the points.

\_\_\_\_\_

b) Name any three rays.

\_\_\_\_\_

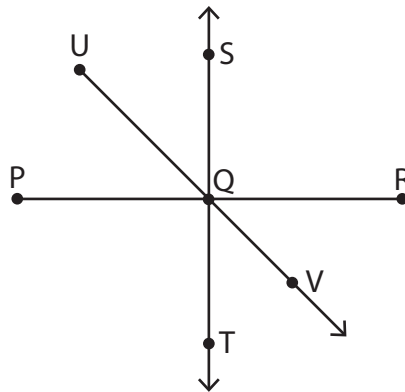
c) Name any two line segments.

\_\_\_\_\_

d) Name the line in two ways.

\_\_\_\_\_

2)



a) Name the line that contains the point Q.

\_\_\_\_\_

b) Name the two opposite rays.

\_\_\_\_\_

c) Name the end point of  $\overrightarrow{QT}$ .

\_\_\_\_\_

d) Name all the points that lie on the  $\overleftrightarrow{ST}$ .

\_\_\_\_\_

Name : \_\_\_\_\_

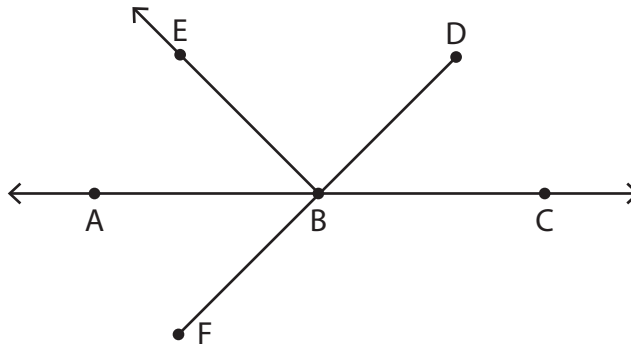
**Answer key**

**Lines, Rays and Line segments**

Level 1: S1

Read the figure and answer the questions.

1)



a) Name all the points.

**Points A, B, C, D, E and F**

b) Name any three rays.

**$\vec{BE}$ ,  $\vec{BA}$  and  $\vec{BC}$**

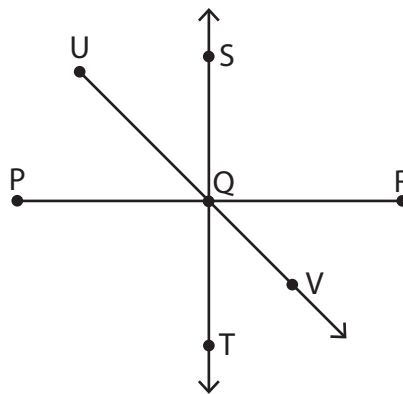
c) Name any two line segments.

**$\overline{BD}$  and  $\overline{BF}$**

d) Name the line in two ways.

**$\overleftrightarrow{AC}$  and  $\overleftrightarrow{CA}$**

2)



a) Name the line that contains the point Q.

**$\overleftrightarrow{ST}$**

b) Name the two opposite rays.

**$\vec{QS}$  and  $\vec{QT}$**

c) Name the end point of  $\vec{QT}$ .

**Point Q**

d) Name all the points that lie on the  $\overleftrightarrow{ST}$ .

**Points Q, S and T**

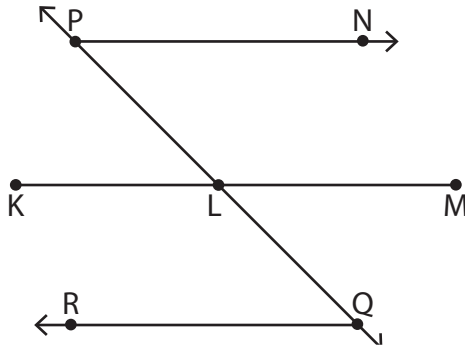
Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 1: S2

Read the figure and answer the questions.

1)



a) How many lines are there?

b) Name the ray that starts at point P.

c) Name all the points on the transversal line.

d) Name the two opposite rays starting from point L.

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2)

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a) Name the line.

b) Name all the points.

c) Name any three line segments.

d) Name any four rays.

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Name : \_\_\_\_\_

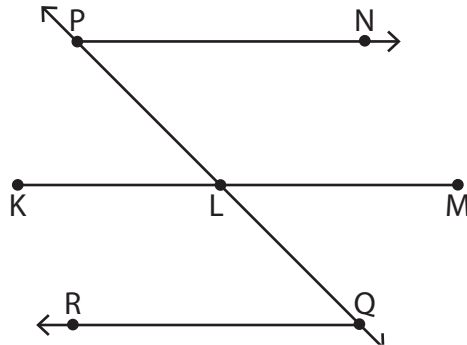
**Answer key**

**Lines, Rays and Line segments**

Level 1: S2

Read the figure and answer the questions.

1)



a) How many line segments

**segments**

b) Name the ray that

**$\overrightarrow{PN}$**

c) Name all the points

**K, L and M**

d) Name the two rays

**and  $\overrightarrow{LP}$**

2)

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a) Name the line.

**$\overleftrightarrow{DG}$**

b) Name all the points.

**Points B, C, D, E, F, G and H**

c) Name any three line segments.

**$\overline{BH}$ ,  $\overline{CF}$  and  $\overline{CH}$**

d) Name any four rays.

**$\overrightarrow{BE}$ ,  $\overrightarrow{CD}$ ,  $\overrightarrow{CE}$  and  $\overrightarrow{CG}$**

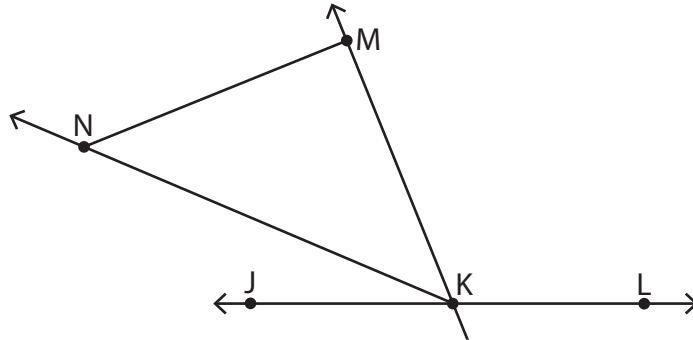
Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 1: S3

Read the figure and answer the questions.

1)



a) Name a line.

b) Name all the points.

c) Name the two rays.

d) Name the end points.

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2)

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a) Name all the points that lie on the  $\overleftrightarrow{UX}$ .

b) Name any three rays.

c) Name the line in two ways.

d) Name any two line segments.

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Name : \_\_\_\_\_

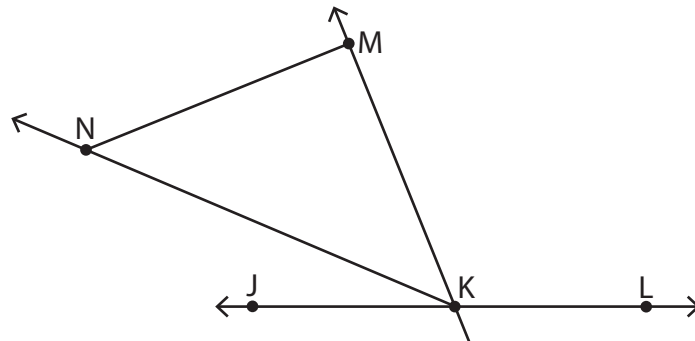
**Answer key**

**Lines, Rays and Line segments**

Level 1: S3

Read the figure and answer the questions.

1)



a) Name a line.

$\overleftrightarrow{MK}$  \_\_\_\_\_

b) Name all the points

$K, L, M$  and  $N$  \_\_\_\_\_

c) Name the two rays

ray  $\overrightarrow{KM}$  and  $\overrightarrow{KN}$  \_\_\_\_\_

d) Name the end point

point  $K$  \_\_\_\_\_

2)

a) Name all the points that lie on the  $\overleftrightarrow{UX}$ .

**Points U, Z and X** \_\_\_\_\_

b) Name any three rays.

$\overrightarrow{ZX}$ ,  $\overrightarrow{ZU}$  and  $\overrightarrow{ZV}$  \_\_\_\_\_

c) Name the line in two ways.

$\overleftrightarrow{UX}$  and  $\overleftrightarrow{XU}$  \_\_\_\_\_

d) Name any two line segments.

$\overline{WZ}$  and  $\overline{ZY}$  \_\_\_\_\_

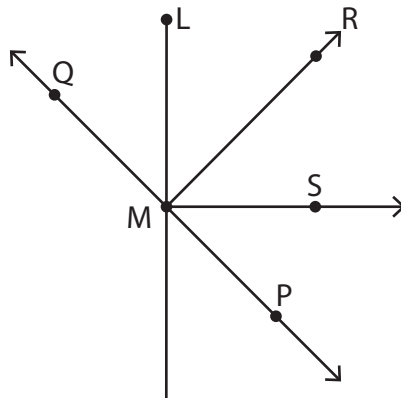
Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 1: S4

Read the figure and answer the questions.

1)



- a) Name the line in \_\_\_\_\_
- b) Name any two li \_\_\_\_\_
- c) Name any three \_\_\_\_\_
- d) Name all the poi \_\_\_\_\_

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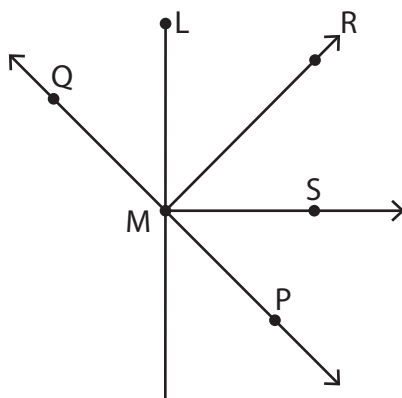
2)

- a) Name the end point of  $\overrightarrow{TU}$ . \_\_\_\_\_
- b) Name all the points that lie on the  $\overleftrightarrow{SU}$ . \_\_\_\_\_
- c) Name the two opposite rays. \_\_\_\_\_
- d) Name the line that contains the point T. \_\_\_\_\_

**Lines, Rays and Line segments**

Read the figure and answer the questions.

1)



- a) Name the line in
- b) Name any two li
- c) Name any three
- d) Name all the poi

**and  $\overleftrightarrow{PQ}$**   
 \_\_\_\_\_  
**and  $\overline{MN}$**   
 \_\_\_\_\_  
 **$\overrightarrow{S}$  and  $\overrightarrow{MR}$**   
 \_\_\_\_\_  
**N, P, Q, R and S**  
 \_\_\_\_\_

2)

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- a) Name the end point of  $\overrightarrow{TU}$ .
- b) Name all the points that lie on the  $\overleftrightarrow{SU}$ .
- c) Name the two opposite rays.
- d) Name the line that contains the point T.

**Point T**  
 \_\_\_\_\_  
**Points S, T and U**  
 \_\_\_\_\_  
 **$\overrightarrow{TS}$  and  $\overrightarrow{TU}$**   
 \_\_\_\_\_  
 **$\overleftrightarrow{SU}$**   
 \_\_\_\_\_



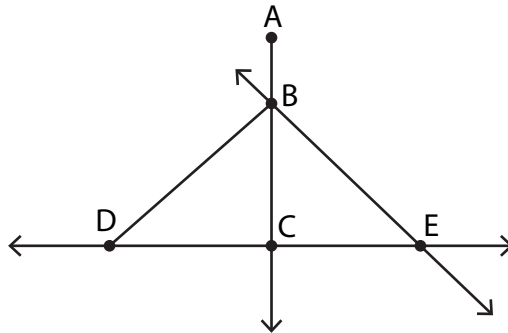
Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 1: S5

Read the figure and answer the questions.

1)



a) Name the two rays.

b) How many line segments are there?

c) Name all the points.

d) Name the ray that starts at B and goes down and to the right.

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2)

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a) Name any three line segments.

b) Name the line.

c) Name any two rays.

d) Name all the points.

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Name : \_\_\_\_\_

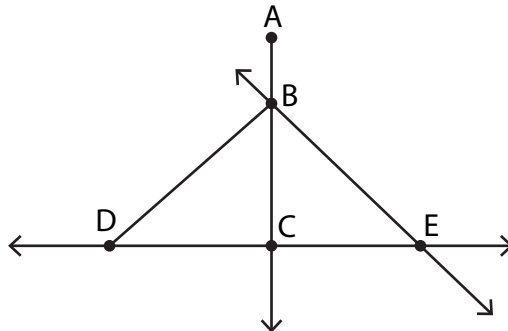
**Answer key**

**Lines, Rays and Line segments**

Level 1: S5

Read the figure and answer the questions.

1)



- a) Name the two rays
- b) How many line segments
- c) Name all the points
- d) Name the ray that

$\overrightarrow{BA}$  and  $\overrightarrow{BE}$   
\_\_\_\_\_

Line segments  
\_\_\_\_\_

D, C and E  
\_\_\_\_\_

$\overrightarrow{BD}$   
\_\_\_\_\_

2)

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- a) Name any three line segments.
- b) Name the line.
- c) Name any two rays.
- d) Name all the points.

$\overline{TU}$ ,  $\overline{UQ}$  and  $\overline{QV}$   
\_\_\_\_\_

$\overleftrightarrow{SU}$   
\_\_\_\_\_

$\overrightarrow{RS}$  and  $\overrightarrow{RP}$   
\_\_\_\_\_

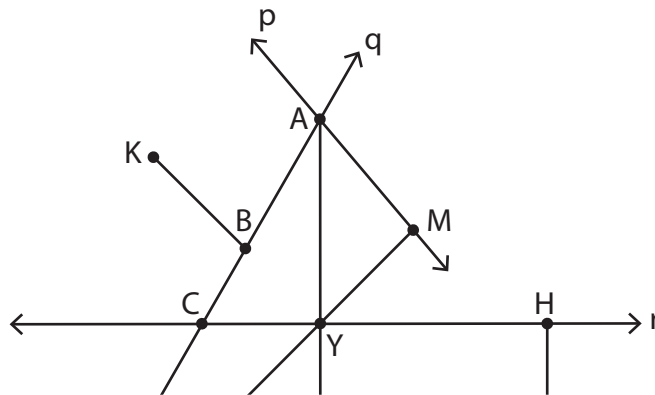
**Points P, Q, R, S, T, U, V and W**  
\_\_\_\_\_

Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 2: S1

Read the figure and answer the questions.



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1) What is the difference between a line and a ray?

\_\_\_\_\_

2) Name any two pairs of parallel lines.

\_\_\_\_\_

3) Name the line that is perpendicular to line r.

\_\_\_\_\_

4) Name all the line segments in the figure.

\_\_\_\_\_

5) Name any two rays and mention its end points.

\_\_\_\_\_

6) Name all the points that lie on the line p and line q.

\_\_\_\_\_

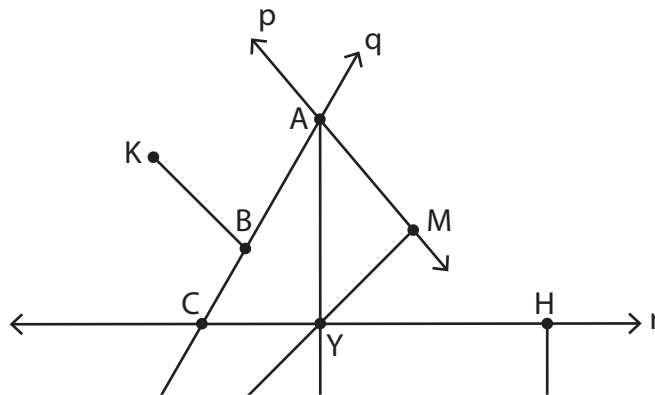
Name : \_\_\_\_\_

**Answer key**

**Lines, Rays and Line segments**

Level 2: S1

Read the figure and answer the questions.



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1) What is the difference between a line and a ray?

**A line has no end points, while a ray has one end point.**

2) Name any two pairs of parallel lines.

**$\overleftrightarrow{CA}$  and  $\overleftrightarrow{CD}$ ,  $\overleftrightarrow{YC}$  and  $\overleftrightarrow{YH}$**

3) Name the line that is perpendicular to line r.

**Line p or  $\overleftrightarrow{CH}$**

4) Name all the line segments in the figure.

**$\overline{BA}$ ,  $\overline{BC}$ ,  $\overline{BD}$ , and  $\overline{BK}$**

5) Name any two rays and mention its end points.

**$\overrightarrow{HG}$ ,  $\overrightarrow{YF}$ . Its end points are H and Y respectively.**

6) Name all the points that lie on the line p and line q.

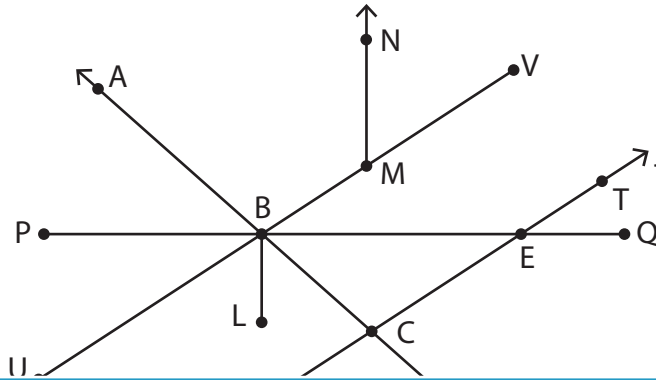
**Points A, B, C, D and M**

Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 2: S2

Read the figure and answer the questions.



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1) Name any three lines

\_\_\_\_\_

2) Name any four rays

\_\_\_\_\_

3) Give another name for \_\_\_\_\_ on the line.

\_\_\_\_\_

4) What is the difference between \_\_\_\_\_

\_\_\_\_\_

5) Name any two pair of opposite rays on the same line?

\_\_\_\_\_

6) Is BL a line, ray or line segment? Why?

\_\_\_\_\_

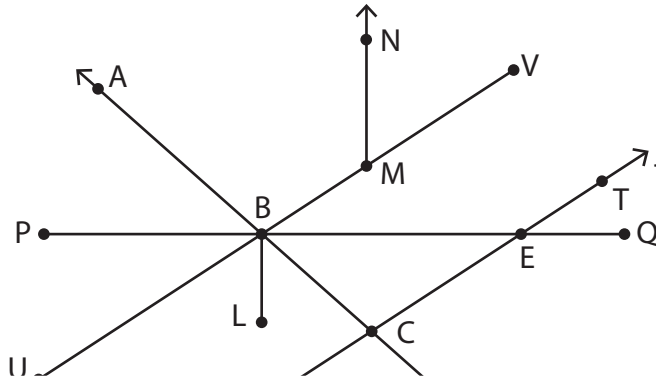
Name : \_\_\_\_\_

**Answer key**

**Lines, Rays and Line segments**

Level 2: S2

Read the figure and answer the questions.



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1) Name any three lines

**$\overline{PQ}$  or  $\overline{QP}$ ;  $\overline{BL}$  or  $\overline{LN}$**

2) Name any four rays

**$\overrightarrow{CA}$ ,  $\overrightarrow{CD}$ ,  $\overrightarrow{CS}$  and  $\overrightarrow{CB}$**

3) Give another name for ray BT

**$\overrightarrow{TS}$  or  $\overrightarrow{ST}$ ; Points T and S**

4) What is the difference between a ray and a line?

**A ray has one end point and extends in both directions. A line has no end points and extends in both directions.**

5) Name any two pair of opposite rays on the same line?

**$\overrightarrow{BA}$  and  $\overrightarrow{BD}$ ;  $\overrightarrow{CA}$  and  $\overrightarrow{CD}$**

6) Is BL a line, ray or line segment? Why?

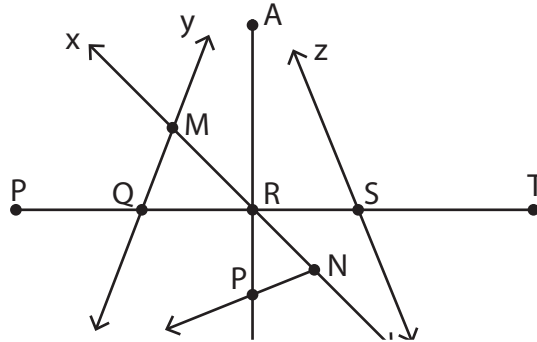
**BL is a line segment. Because line segment BL contains two end points B and L**

Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 2: S3

Read the figure and answer the questions.



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1) What is the difference between a line and a ray?  
\_\_\_\_\_

2) Name all the points on the horizontal line.  
\_\_\_\_\_

3) Is NP a ray? If yes, name its endpoints.  
\_\_\_\_\_

4) Name any three rays in the figure.  
\_\_\_\_\_

5) Write any two lines and all the points on these lines.  
\_\_\_\_\_  
\_\_\_\_\_

6) Name a line which has only one point on it.  
\_\_\_\_\_

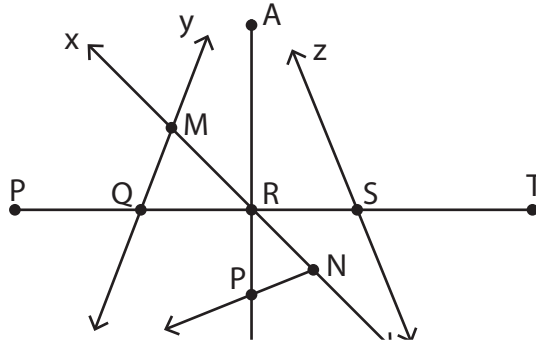
Name : \_\_\_\_\_

**Answer key**

**Lines, Rays and Line segments**

Level 2: S3

Read the figure and answer the questions.



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1) What is the difference between a line segment and a ray?

**A line segment has two end points and the other end is open.**

**A ray has only one end point**

2) Name all the points on the horizontal line.

**P, Q, R, S and T**

3) Is NP a ray? If yes, name its end point.

**Yes, the end point is N.**

4) Name any three rays starting from point R.

**$\overrightarrow{RM}$ ,  $\overrightarrow{RN}$  and  $\overrightarrow{RS}$**

5) Write any two lines and all the points on these lines.

**Line x and Line y. Points on these lines are M, R, Q and N.**

6) Name a line which has only one point on it.

**Line z**

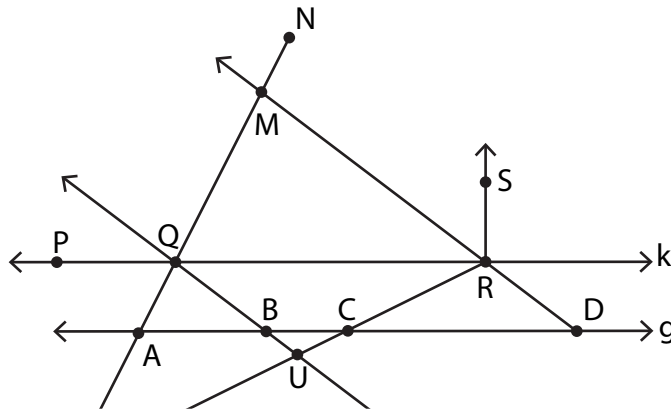


Name : \_\_\_\_\_

## Lines, Rays and Line segments

Level 2: S4

Read the figure and answer the questions.



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1) Is RS a line ? If not,

\_\_\_\_\_

2) What is the differer

\_\_\_\_\_

3) Name any two pair

\_\_\_\_\_

4) Name all the point

\_\_\_\_\_

5) Name the line that contains the point R.

\_\_\_\_\_

6) Name any two rays with Q as end points.

\_\_\_\_\_

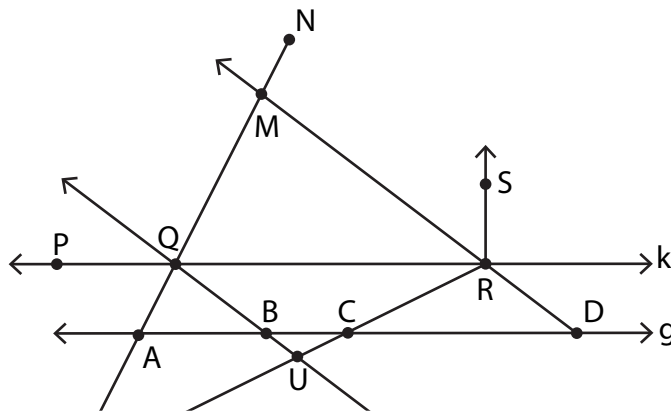
Name : \_\_\_\_\_

**Answer key**

**Lines, Rays and Line segments**

Level 2: S4

Read the figure and answer the questions.



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1) Is RS a line ? If not,

**No, it is a ray.**

2) What is the difference between a line and a ray

**A line has no end point and extends infinitely in both directions. A ray has one end**

3) Name any two pairs of line segments

**$\overrightarrow{CD}$  and  $\overrightarrow{CA}$  ;  $\overrightarrow{BD}$**

4) Name all the points on line g

**A, B, C and D**

5) Name the line that contains the point R.

**Line k or  $\overleftrightarrow{PR}$**

6) Name any two rays with Q as end points.

**$\overrightarrow{QP}$  and  $\overrightarrow{QR}$**



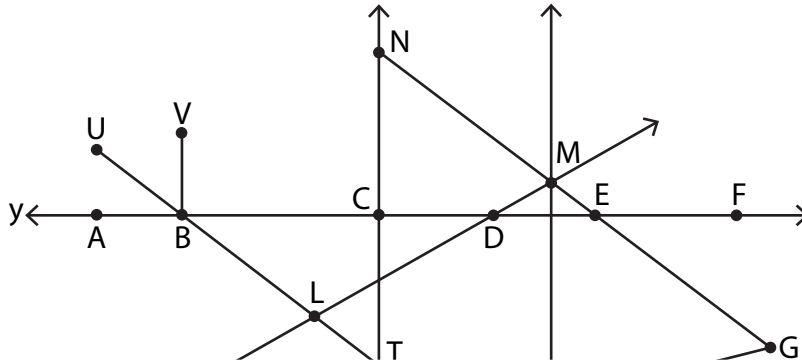
Name : \_\_\_\_\_

**Answer key**

**Lines, Rays and Line segments**

Level 2: S5

Read the figure and answer the questions.



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1) Give another name for line  $AB$ . \_\_\_\_\_

**The line  $x$ ; Point  $M$**

2) What is the difference between a line and a ray? \_\_\_\_\_

**A line segment has two endpoints.**

3) Is  $CN$  a line, ray or line segment? \_\_\_\_\_

**$\overrightarrow{CN}$  is a ray. Because it starts at  $C$  and goes in one direction.**

4) Name any five line segments in the figure. \_\_\_\_\_

**$\overline{QS}$ ,  $\overline{QR}$ ,  $\overline{QP}$ ,  $\overline{QG}$  and  $\overline{QT}$**

5) Write any two lines and all the points on these lines. \_\_\_\_\_

**Line  $x$  and Line  $y$ . Points on these lines are  $A, B, C, D, E, F, L$  and  $M$ .**

6) Name all the points that lie on the line segment  $SG$ . \_\_\_\_\_

**Points  $P, Q, R, S$  and  $G$**