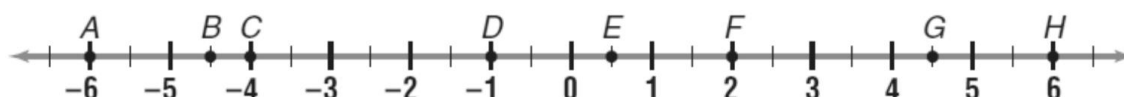


Name: \_\_\_\_\_

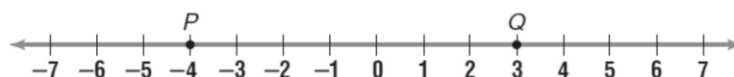
## Measuring and Constructing Segments

Use the number line to find each measure

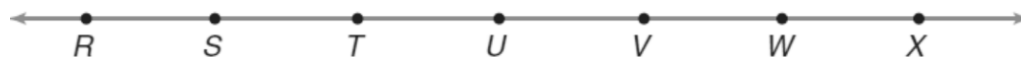


- 1) CD
- 2) CB
- 3) EF
- 4) GH
- 5) AD
- 6) BE
- 7) CF
- 8) AF

9) Use the number line to find the length of PQ



Use the given diagram to answer the questions



- 10) If  $RS = 19$  and  $RV = 71$ , find  $SV$ .
- 11) If  $UV = 17$  and  $SU = 38$ , find  $SV$ .
- 12) If  $VX = 13$  and  $SX = 30$ , find  $SV$ .
- 13) If  $TW = 81$  and  $VW = 35$ , find  $TV$ .
- 14) If  $SW = 44.5$  and  $SV = 37.1$ , find  $VW$ .
- 15) If  $TU = 15.9$  and  $UW = 28.3$ , find  $TW$ .

In the figure below,  $W$  is the midpoint of  $\overline{XY}$ .



- 16) Find the value of  $a$
- 17) Find the length of  $\overline{XW}$
- 18) Find the length of  $\overline{XY}$

Three segment measures are given. The three points named are collinear. Determine which point is between the other two.

- 19)  $TM = 23$ ,  $MH = 37$ ,  $TH = 14$
- 20)  $XZ = 36$ ,  $YZ = 24$ ,  $XY = 12$