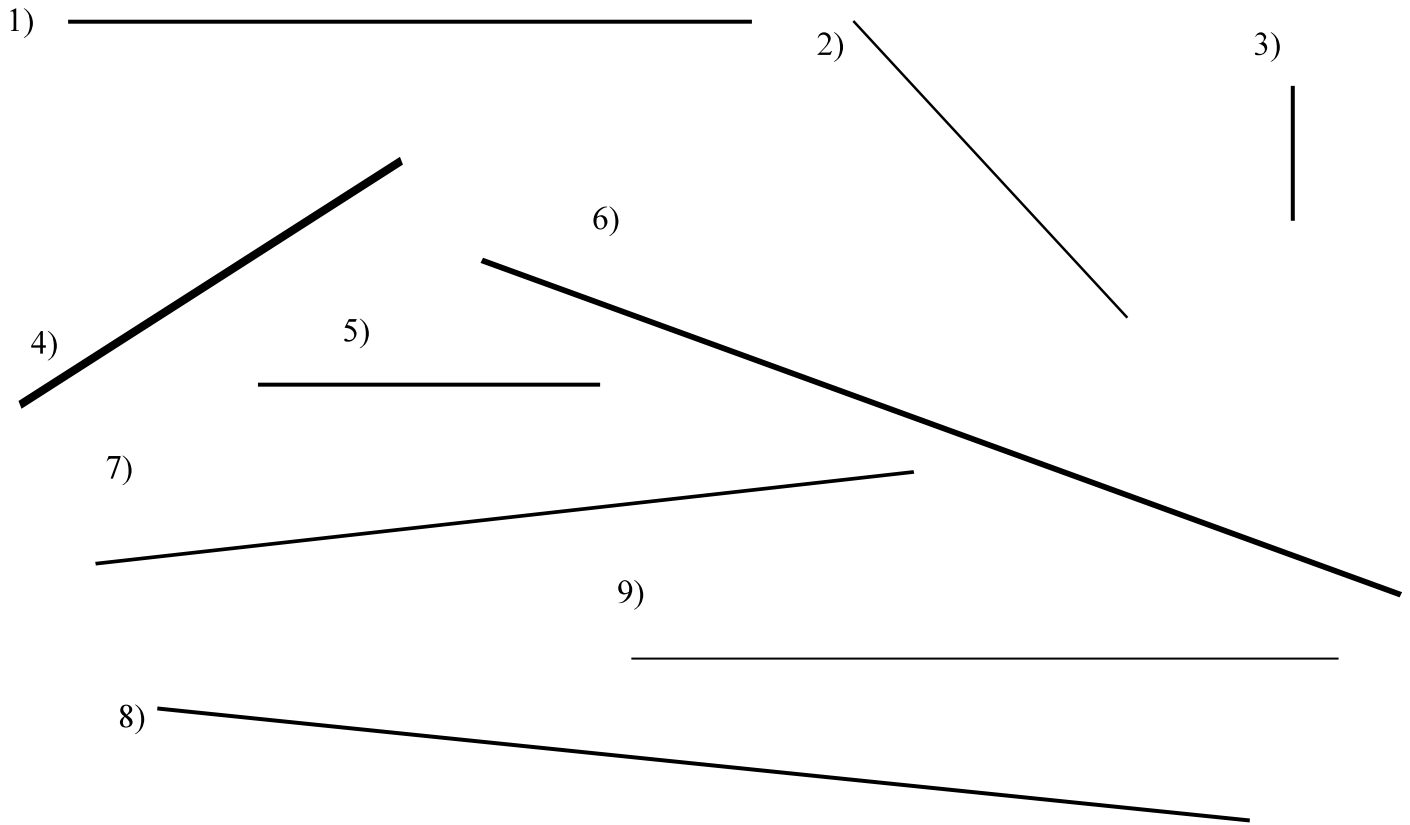


Segments and Measurement 2

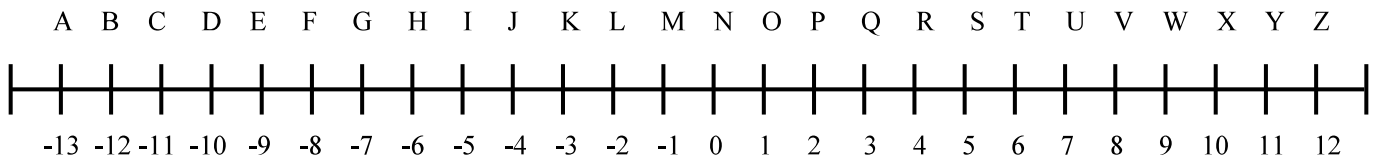
Geometry

Give the measurements of the following segments in standard and metric units.



Draw segments with the following measures.

- | | | | | |
|------------------------|-------------------------|-----------------------|-----------------------|-----------------------|
| 10) $5\frac{1}{16}in.$ | 11) $8.4cm.$ | 12) $9\frac{7}{8}in.$ | 13) $2\frac{1}{2}in.$ | 14) $13.9cm.$ |
| 15) $6\frac{5}{8}in.$ | 16) $4\frac{13}{16}in.$ | 17) $20.1cm.$ | 18) $2.6cm.$ | 19) $7\frac{3}{4}in.$ |



Name the coordinate of each of the following points.

- | | | | |
|-------|-------|-------|-------|
| 20) X | 21) C | 22) P | 23) R |
|-------|-------|-------|-------|

Name the point that corresponds with each of the following coordinates.

- | | | | |
|--------|-------|--------|---------|
| 24) -4 | 25) 8 | 26) -1 | 27) -12 |
|--------|-------|--------|---------|

Give the letter that corresponds with each coordinate given below to discover the secret message.

28) $-9 \quad 2 \quad -2 \quad 7 \quad 4 \quad -5 \quad -12 \quad 7 \quad 5 \quad 7 \quad 0 \quad 7 \quad -1$

29) $-5 \quad 9 \quad -13 \quad 0 \quad 6 \quad 6 \quad 1 \quad -12 \quad -9 \quad -13 \quad 0 \quad -9 \quad 0 \quad 6 \quad 1 \quad -1 \quad 1 \quad -2 \quad 1 \quad -7 \quad -5 \quad 5 \quad 6$

Find the following distances on the number line. (Show your work!!)

30) PF

31) DZ

32) CQ

33) WK

34) AT

Give the lengths and midpoint of each of the following segments.

35) $\overline{\hspace{10em}}$
 $\begin{array}{ccc} 4 & & 26 \\ L= & & M= \end{array}$

36) $\overline{\hspace{10em}}$
 $\begin{array}{ccc} 15 & & 39 \\ L= & & M= \end{array}$

37) $\overline{\hspace{10em}}$
 $\begin{array}{ccc} -14 & & 22 \\ L= & & M= \end{array}$

38) $\overline{\hspace{10em}}$
 $\begin{array}{ccc} -35 & & -7 \\ L= & & M= \end{array}$

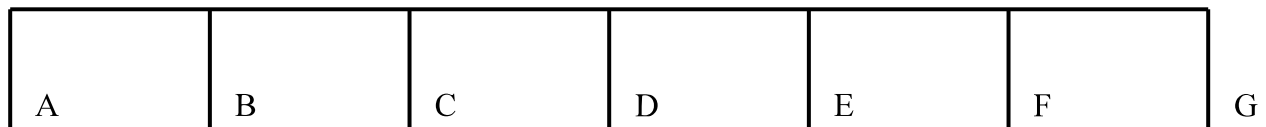
39) $\overline{\hspace{10em}}$
 $\begin{array}{ccc} -48 & & -13 \\ L= & & M= \end{array}$

40) $\overline{\hspace{10em}}$
 $\begin{array}{ccc} -32 & & 24 \\ L= & & M= \end{array}$

41) $\overline{\hspace{10em}}$
 $\begin{array}{ccc} -18.2 & & 22.8 \\ L= & & M= \end{array}$

42) $\overline{\hspace{10em}}$
 $\begin{array}{ccc} -38.7 & & -12.3 \\ L= & & M= \end{array}$

Farmer John is building a fence. He spaces the fence posts evenly along the fence line. Given the coordinates of two of these posts, find the location of the others.



43) $A = 6, B = 14$

44) $B = 18, C = 34$

45) $A = 16, C = 52$

46) $C = 20, E = 44$

47) $D = 62, G = 95$

48) $A = 19, E = 107$