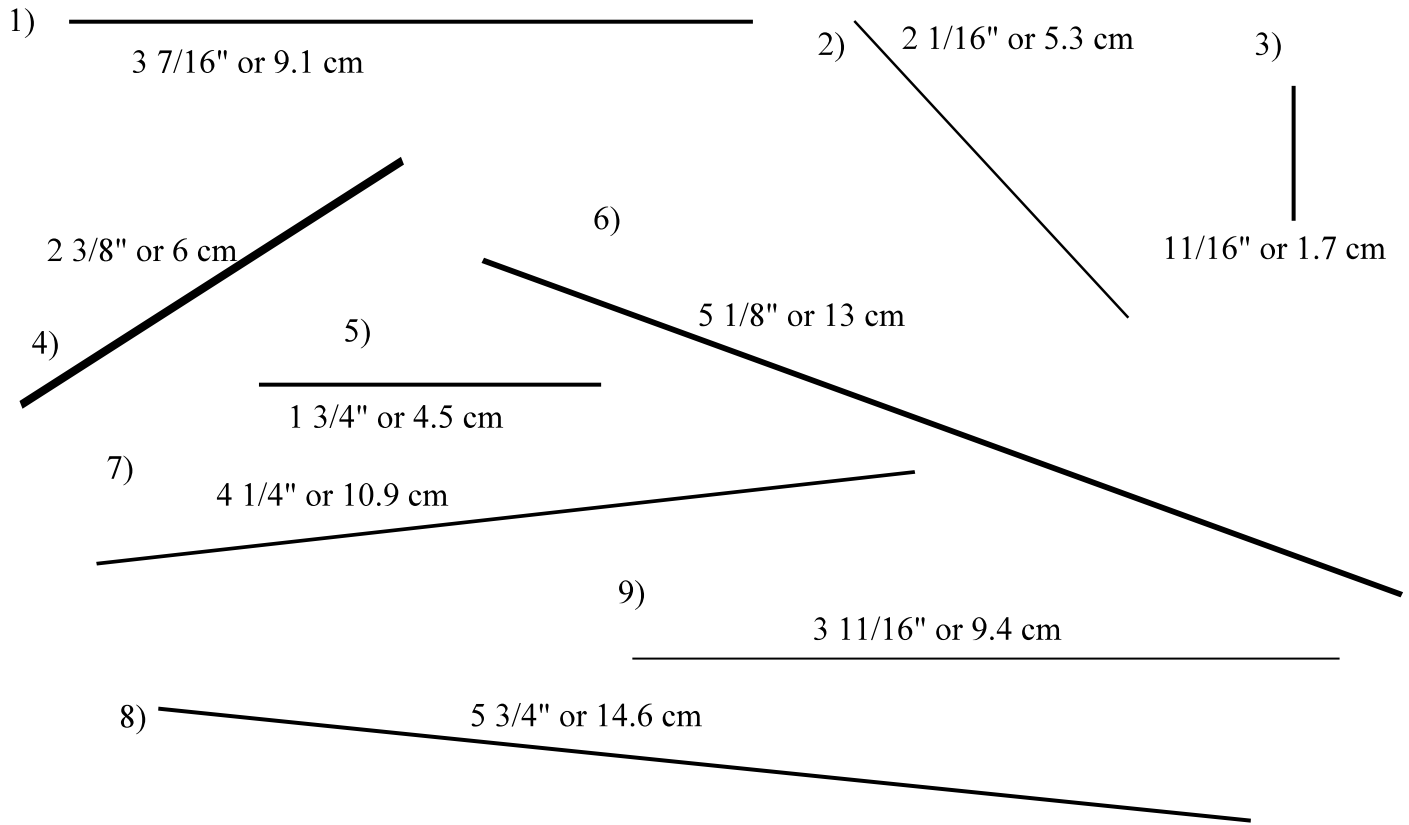


Segments and Measurement 2

Geometry

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

(KEY)

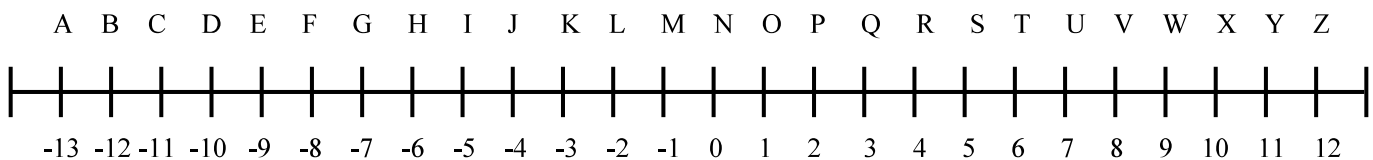


Draw segments with the following measures.

- 10) $5 \frac{1}{16}''$ 11) 8.4 cm 12) $9 \frac{7}{8}''$ 13) $2 \frac{1}{2}''$ 14) 13.9 cm

DRAW THESE!!

- 15) $6 \frac{5}{8}''$ 16) $4 \frac{13}{16}''$ 17) 20.1 cm 18) 2.6 cm 19) $7 \frac{3}{4}''$



Name the coordinate of each of the following points.

- 20) X 21) C 22) P 23) R
 10 -11 2 4

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

- 24) -4 25) 8 26) -1 27) -12
 J V M B

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

28) -9 2 -2 7 4 -5 -12 7 5 7 0 7 -1
E P L U R I B U S U N U M

29) -5 9 -13 0 6 6 1 -12 -9 -13 0 -9 0 6 1 -1 1 -2 1 -7 -5 5 6
I W A N T T O B E A N E N T O M O L O G I S T

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

30) PF $2 - (-8) = 10$ 31) DZ $12 - (-10) = 22$ 32) CQ $3 - (-11) = 14$ 33) WK $9 - (-3) = 12$ 34) AT $6 - (-13) = 19$

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

35) $\overline{\hspace{10em}}$
 4 26
 $L = 26 - 4 = 22$ $M = (26 + 4)/2 = 15$

36) $\overline{\hspace{10em}}$
 15 39
 $L = 39 - 15 = 24$ $M = (39 + 15)/2 = 27$

37) $\overline{\hspace{10em}}$
 -14 22
 $L = 22 - (-14) = 36$ $M = (22 + (-14))/2 = 4$

38) $\overline{\hspace{10em}}$
 -35 -7
 $L = -7 - (-35) = 28$ $M = (-7 + (-35))/2 = -21$

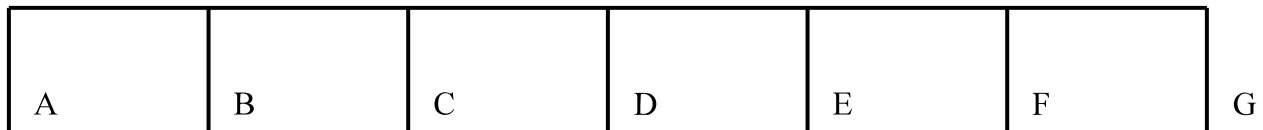
39) $\overline{\hspace{10em}}$
 -48 -13
 $L = -13 - (-48) = 35$ $M = (-13 + (-48))/2 = -30.5$

40) $\overline{\hspace{10em}}$
 -32 24
 $L = 24 - (-32) = 56$ $M = (24 + (-32))/2 = -4$

41) $\overline{\hspace{10em}}$
 -18.2 22.8
 $L = 22.8 - (-18.2) = 41$ $M = (22.8 + (-18.2))/2 = 2.3$

42) $\overline{\hspace{10em}}$
 -38.7 -12.3
 $L = -12.3 - (-38.7) = 26.4$ $M = (-12.3 + (-38.7))/2 = -25.5$

-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
 $14 - 6 = 8$
 C = 22, D = 30, E = 38,
 F = 46, G = 54

44) B = 18, C = 34
 $34 - 18 = 16$
 A = 2, D = 50, E = 66,
 F = 82, G = 98

45) A = 16, C = 52
 $52 - 16 = 36; 36/2 = 18$
 B = 34, D = 70, E = 88,
 F = 106, G = 124

46) C = 20, E = 44
 $44 - 20 = 24; 24/2 = 12$
 A = -4, B = 8, D = 32,
 F = 56, G = 68

47) D = 62, G = 95
 $95 - 62 = 33; 33/3 = 11$
 A = 29, B = 40, C = 51,
 E = 73, F = 84

48) A = 19, E = 107
 $107 - 19 = 88; 88/4 = 22$
 B = 41, C = 63, D = 85,
 F = 129, G = 151