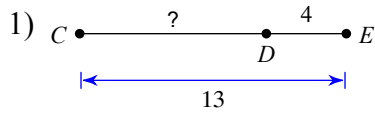
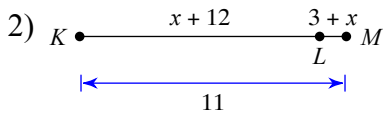


Ch 8 Review Assignment

Find the length indicated.

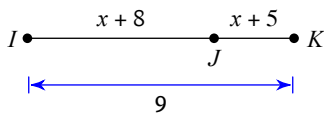


Solve for x . Show your thinking.



Find the length indicated. Show your thinking.

3) Find IJ



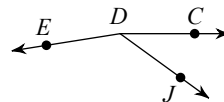
Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary. Show work.

4) $(-6, 6)$, $(7, 8)$

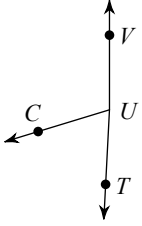
Find the midpoint of the line segment with the given endpoints. Show your thinking.

5) $(-6, 8)$, $(-4, -2)$

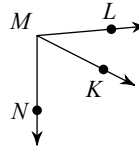
6) Find $m\angle JDE$ if $m\angle CDJ = 36^\circ$ and $m\angle CDE = 171^\circ$.



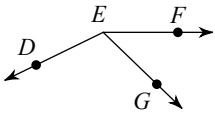
- 7) Find $m\angle TUV$ if $m\angle TUC = 70^\circ$
and $m\angle CUV = 107^\circ$.



- 8) Find x if $m\angle LMN = 95^\circ$,
 $m\angle LMK = 10x + 2$,
and $m\angle KMN = 3 + 20x$.

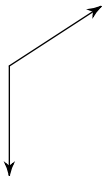


- 9) Find x if $m\angle FEG = 8x + 4$,
 $m\angle GED = 110^\circ$, and $m\angle FED = -1 + 31x$.



Classify each angle as acute, obtuse, right, or straight.

10)



11)



12) 90°

13) 180°

Solve each equation. Show work.

14) $-8(-7 + a) = 31 - 3a$

15) $30 + 6b = -6(1 + 2b)$

Write the slope-intercept form of the equation of each line.

16) $y + 4 = \frac{5}{3}(x + 3)$