

**Solve each equation.**

1)  $2 + \frac{n}{10} = 4$

2)  $\frac{x+3}{3} = 5$

3)  $-4(-3 - 5x) = 152$

4)  $5|4 + p| + 9 = 14$

**Rewrite the given point-slope equation in slope-intercept form.**

5)  $y + 6 = \frac{4}{7}(x + 21)$

**Solve each inequality.**

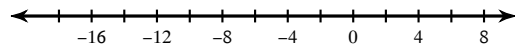
6)  $\frac{v}{9} - 6 > -4$

7) Evaluate the function:  
 $f(x) = 1.27x + 4.23$  for  $x = -5$

8) Find the value of  $x$  so that the function has the given value:  
 $f(x) = 1.27x + 4.23$  ;  $f(x) = 10.707$

**Solve each inequality and graph its solution.**

9)  $|5 + r| + 1 \geq 11$

**Write the point-slope form of the equation of the line through the given point with the given slope.**

10) through:  $(5, -4)$ , slope =  $-\frac{9}{5}$

**Write the point-slope form of the equation of the line through the given points.**

11) through:  $(1, -4)$  and  $(-5, 3)$

Solve the system of linear equations by the method of your choice.

12)  $-3x + y = -18$   
 $10x + 7y = 29$

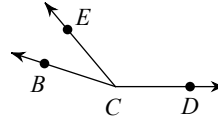
Find the distance between each pair of points.

13)  $(8, -3), (3, 1)$

Find the midpoint of the line segment with the given endpoints.

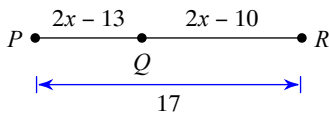
14)  $(-37, 10), (17, -36)$

15) Find  $m\angle ECD$  if  $m\angle ECD = 65x$ ,  
 $m\angle BCE = 16x$ , and  $m\angle BCD = 162^\circ$ .

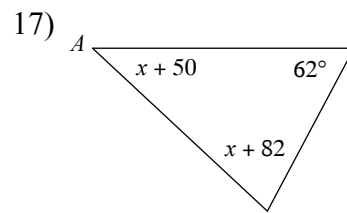


Find the length indicated.

16) Find  $QR$

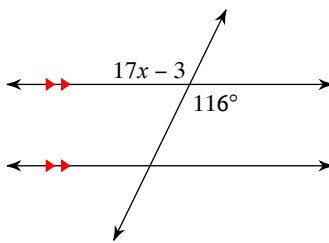


Find the measure of angle A.

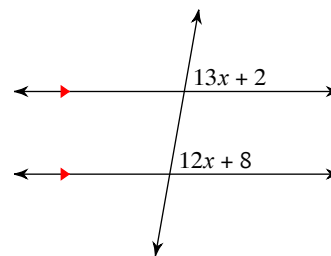


Solve for  $x$ .

18)



19)



20)

