

Solve each equation.

1) $-5 = -7 + \frac{x}{8}$

2) $3 = \frac{4 + v}{3}$

3) $7 - 3(4n - 7) = 124$

4) $2|v - 3| - 4 = 20$

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

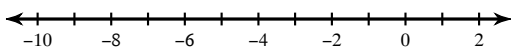
5) $y - 17 = \frac{4}{7}(x - 21)$

Solve each inequality.

6) $-2x - 9 < 29$

Solve each inequality and graph its solution.

7) $|r + 4| - 5 < 0$



8) Evaluate the function:
 $f(x) = 11x + 42$ for $x = 8$

9) Find the value of x so that the function has
the given value:

$f(x) = 11x + 42$; $f(x) = 97$

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

10) through: $(-5, 4)$, slope = $-\frac{6}{5}$

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

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

Solve each system by elimination.

$$\begin{aligned} 12) \quad &7x - 4y = 8 \\ &-8x + 3y = -6 \end{aligned}$$

Find the distance between each pair of points.

13) $(5, -8), (7, -1)$

14) $(0, 3), (1, -4)$

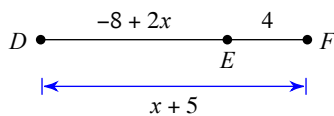
Find the midpoint of the line segment with the given endpoints.

15) $(3, 6), (7, 4)$

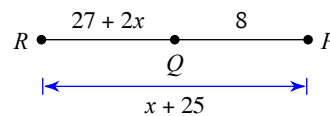
16) $(10, -2), (6, -3)$

Find the length indicated.

17) Find DF

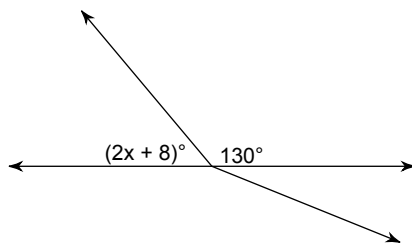


18) Find RP



Find the value of x .

19)



20)

