

Solve each equation.

1) $-6 + \frac{p}{5} = -2$

2) $\frac{-7 + n}{3} = -9$

3) $-8(7v + 6) = 176$

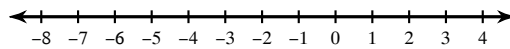
4) $10|n + 9| - 9 = 11$

Solve each inequality.

5) $2(x - 3) < -12$

Solve each inequality and graph its solution.

6) $2 + 5|m + 2| \geq 12$



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

7) through: $(1, -2)$, slope = 6

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

8) through: $(5, 3)$ and $(-5, 1)$

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

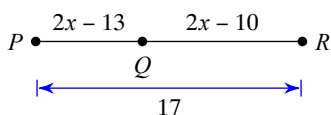
9) $8x + 7y = -22$
 $2x + 2y = -8$

Find the distance between each pair of points.

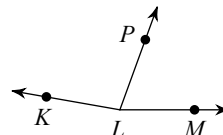
10) $(-4, 4)$, $(-1, 2)$

Find the length indicated.

11) Find QR

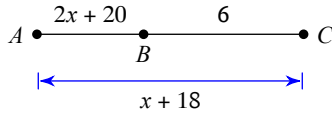


12) $m\angle KLM = 1 + 169x$, $m\angle PLM = 70^\circ$,
 and $m\angle KLP = 99x + 1$. Find $m\angle KLM$.



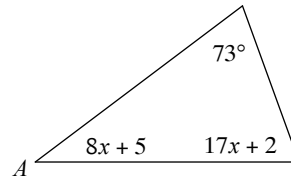
Find the length indicated.

13) Find AB



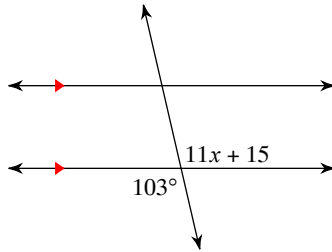
Find the measure of angle A.

14)

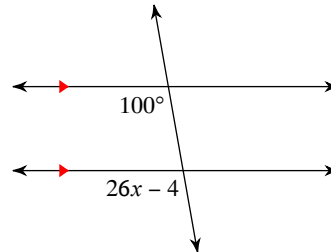


Solve for x .

15)

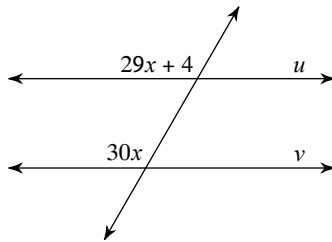


16)

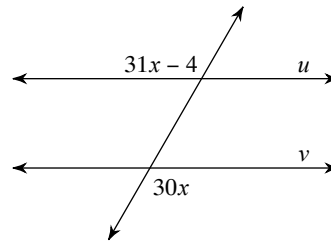


Find the value of x that makes lines u and v parallel.

17)

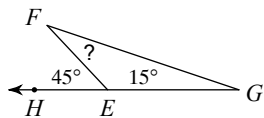


18)



Find the measure of each angle indicated.

19)



Solve for x .

20)

