SRHS - Math 1 - #Review 9B Name_____

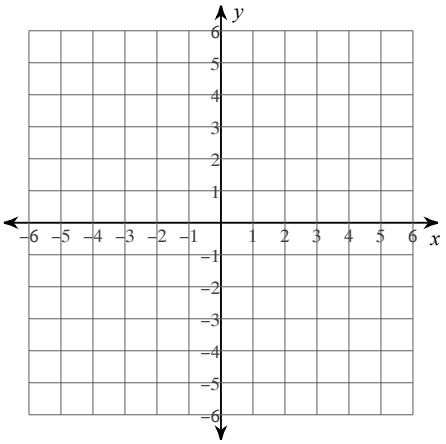
Solve each equation.

1) $2x + 4(x + 2) = 8 + 2x$

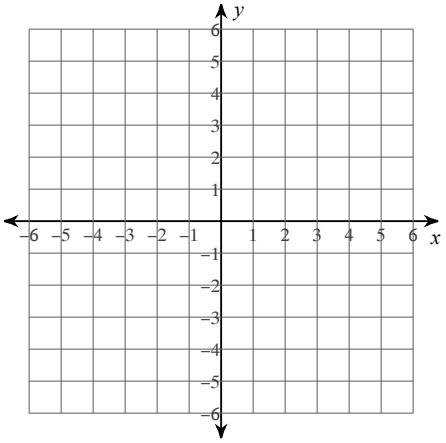
2) $5 = \frac{x + 4}{4}$

Sketch the graph of each line.

3) $y = -\frac{4}{5}x$

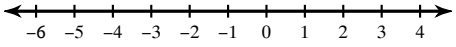


4) $y = 3x + 2$

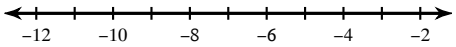


Solve each inequality and graph its solution.

5) $-5n + 5 \geq 15$



6) $\frac{p}{2} - 3 < -5$



Write the equation of the line through the given points.

7) through: $(4, -3)$ and $(2, 2)$

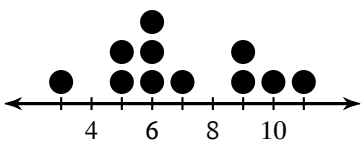
8) through: $(3, -4)$ and $(4, -3)$

Find the mode, median, mean, and sample standard deviation for each data set.

9) Age at First Job

17	14	17	18	18	19	22
16	17	13	19			

10) Goals in a Hockey Game



Find the distance between each pair of points.

11) $(-1, -6), (-4, -3)$

12) $(-6, 8), (-6, -3)$

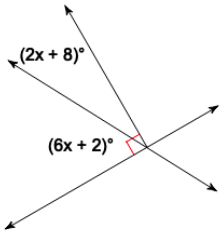
Solve each system by substitution.

13) $y = 3x + 10$
$2x + 2y = -12$

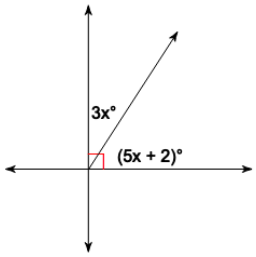
14) $x + 3y = 11$
$2x - 7y = -4$

Find the value of x.

15)

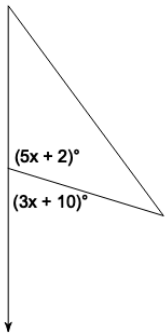


16)

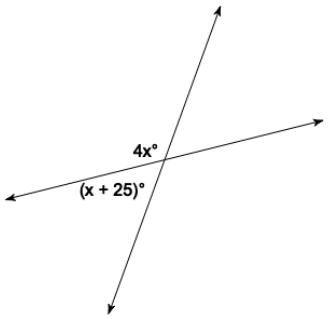


Find the value of x.

17)

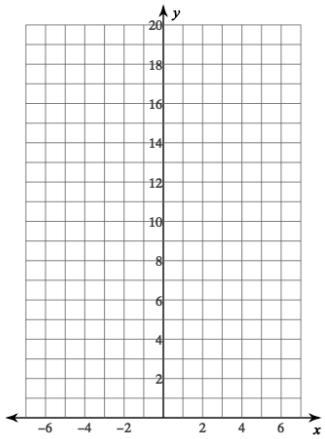


18)



Sketch the graph of each function.

19) $y = 4 \cdot \left(\frac{1}{2}\right)^x$



20) $y = \frac{1}{4} \cdot 2^x$