SRHS - Math 1 - Cumulative Review #0517 Name_____

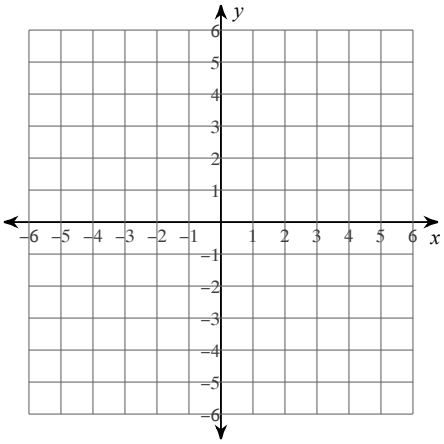
Solve each equation.

1) $5(3k + 5) = -19 + 4k$

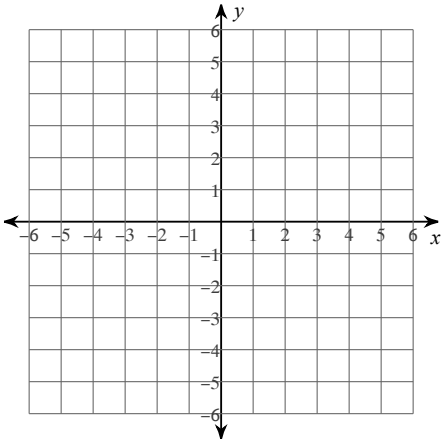
2) $3 = \frac{n}{4} - 2$

Sketch the graph of each line.

3) $y = -4x + 1$

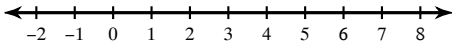


4) $y = \frac{1}{4}x - 3$

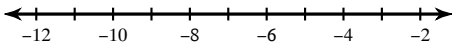


Solve each inequality and graph its solution.

5) $\frac{n}{2} + 5 \geq 7$



6) $-3(4 + a) \geq 9$



Write the equation of the line through the given points.

7) through: $(-2, -1)$ and $(3, 2)$

8) through: $(-2, 5)$ and $(0, 2)$

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

9) Games per World Series

7 4 5 4 7 6 4 6
7 4 7

10) Mens Heights (Inches)

72 72 68 70 73 72 73
76 74

Find the distance between each pair of points.

11) $(5, -8)$, $(-1, 0)$

12) $(6, 6)$, $(2, 7)$

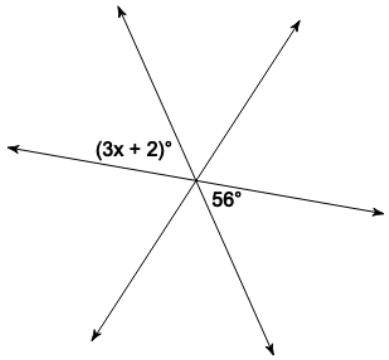
Solve each system of equations.

13) $5x - 2y = -5$
$y = -5x + 10$

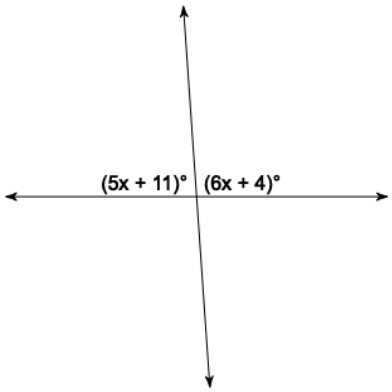
14) $8x + y = 28$
$-2x - y = -10$

Find the value of x.

15)

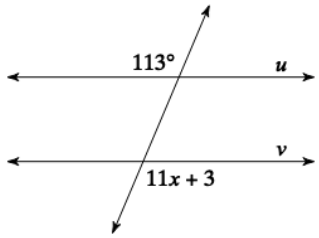


16)

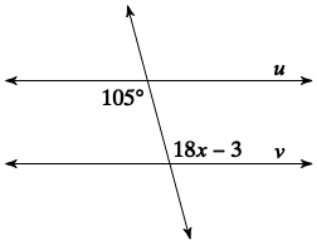


Find the value of *x* that makes lines u and v parallel.

17)

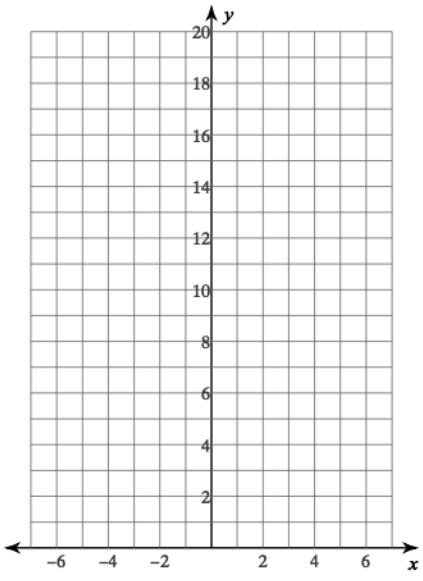


18)



Sketch the graph of each function.

19) $y = 3 \cdot 2^x$



20) $y = 3 \cdot \left(\frac{1}{2}\right)^x$