Cumulative Review #102721 Name_____

Period and Class_____

Solve each equation.

1) $-152 = 19r$

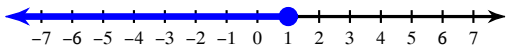
2) $-8 + 4v = 20$

3) $-2 + 3(6x - 1) = 85$

4) $3 - 2v - 4 = -3v + 5$

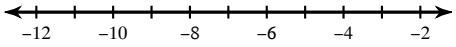
5) $\frac{|x + 8|}{4} = 1$

Write an inequality for each graph.

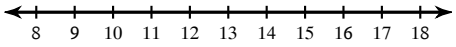
6) 

Solve each inequality and graph its solution.

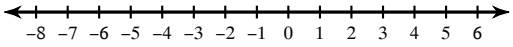
7) $-6x < 48$



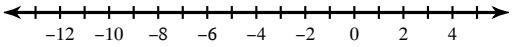
8) $-1 \geq \frac{m}{2} - 8$



9) $5 + 2b \leq -1$ or $7 - 3b < 1$



10) $|m + 4| \leq 7$



Solve each equation for the indicated variable.

11) $3x - 4 = d - 2r$, for x

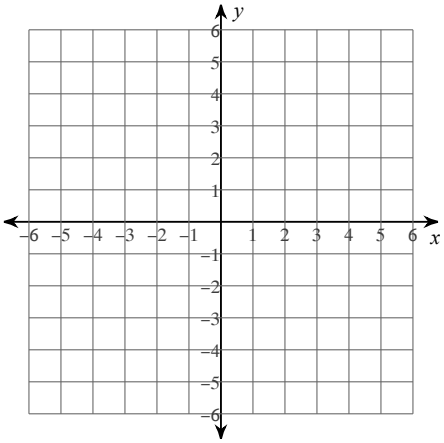
12) $u = \frac{ak}{b}$, for a

Write each as an algebraic expression.

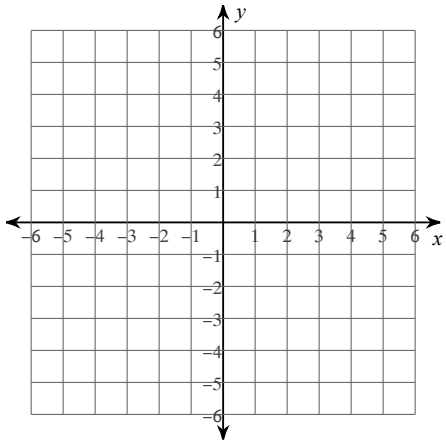
13) the quotient of n and 6 is equal to 39

Sketch the graph of each line.

14) $2x - 5y = 10$



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



Write the slope-intercept form of the equation of each line given the slope and y-intercept.

16) Slope $= \frac{5}{3}$, y-intercept $= 4$

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

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

Write the slope-intercept form of the equation of the line described.

18) through: $(4, -1)$, parallel to $y = 5x + 4$

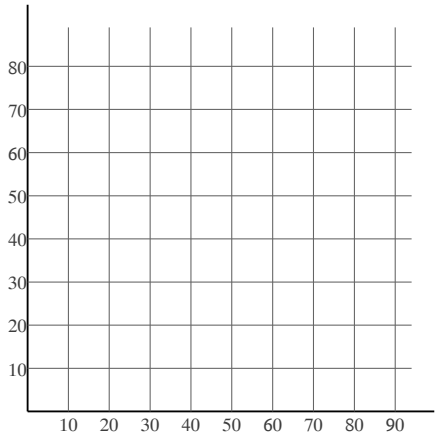
Construct a scatter plot.

19)

X	Y
5	89
32	69
38	66
40	60

X	Y
49	56
53	54
62	50

X	Y
73	42
75	36
94	19



State if there appears to be a positive correlation, negative correlation, or no correlation.

20)