SRHS Math 1 - Assignment #Review 4B Name_____

**Solve the equation.**

1) $\frac{k}{5} = 7$

2) $8k - 8k = 0$

3) $-4v - 2v = 12$

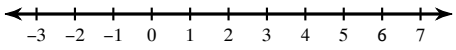
4) $|m + 7| + 10 = 16$

**Write an equation or inequality for the statement**

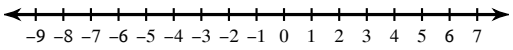
5) A number cubed is greater than the number squared

**Solve the inequality and graph its solution.**

6) $-2x - 4x \leq 6$




7) $-4 < -3r + 8 \leq 26$

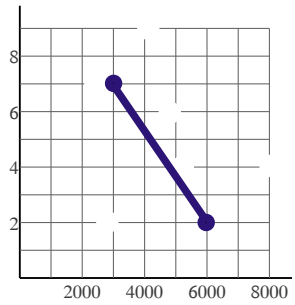



**Determine if the relation is a function. State 'yes' or 'no' and explain.**

8) (2, 8) , (4, 8), (5, 8) , (7, 8) , (9, 8) , (10, 8)

**State the domain and range of the relation.**

9)



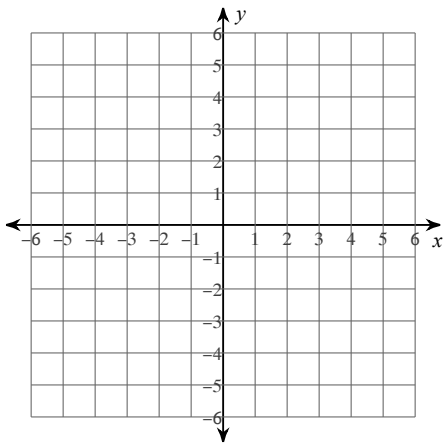

**Solve as directed.**

10) Evaluate f (x) = -3 x + 8 when x = 10

11) For f (x) = 14 x - 3, find the value of x for which f (x) = 25

**Sketch the graph of the linear function using the given intercepts.**

12) $x$-intercept = 4, $y$-intercept = −1

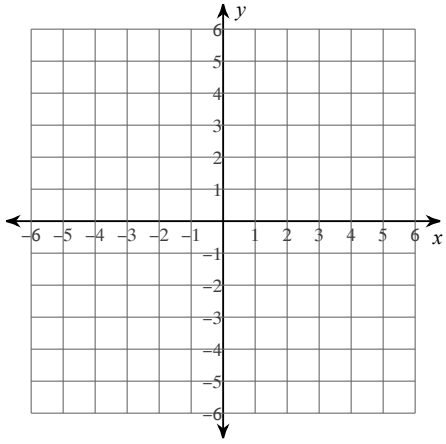


**Find the x and y intercepts of the given function.**

13) $2x - 5y = 10$

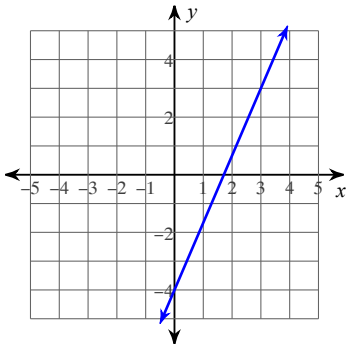
**Sketch the graph of the line.**

14) $x = -4$




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

15)




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

16) through: $(1, -3)$, slope $= -2$

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

17) through: $(3, 1)$ and $(-5, -2)$

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

18) through: $(3, -1)$ and $(2, -5)$

**Write an equation of the line...**

19) through: $(-3, -5)$ and parallel to $y = 7x + 5$

20) through: $(-2, 2)$ and perpendicular to $y = -\frac{2}{3}x - 2$