

I. Solve each equation.

1) $17 + m = 25$

II. Solve each equation.

2) $4n - 4n = -7$

III. Solve each equation.

3) $-3b + 12 = -5b + 6$

IV. Solve each equation.

4) $-25 - 2n = -3(n + 6)$

V. Solve each equation.

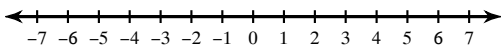
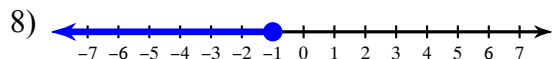
5) $x + 8 - 4x = 17$

VI. Solve each equation.

6) $9|p + 2| = 18$

VII. Draw a graph for each inequality.

7) $x \geq -3$

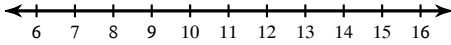
**VIII. Write an inequality for each graph.**

IX. Write an equation or inequality for each.

9) Five less than a number x is greater than 8.

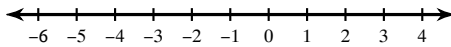
X. Solve each inequality and graph its solution.

10) $4 \leq \frac{a}{3}$



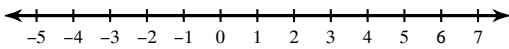
XI. Solve each inequality and graph its solution.

11) $1 - 3k - 2k > -4$



XII. Solve each compound inequality and graph its solution.

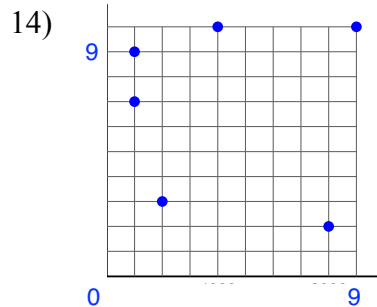
12) $8k + 1 \leq 33$ and $4k - 8 \geq -20$



XIII. Determine if the relation is a function. State YES or NO. Explain why or why not.

13) $(2, 8)$, $(4, 6)$, $(7, 8)$, $(9, 11)$, $(10, 0)$

XIV. State the domain and range of the relation.



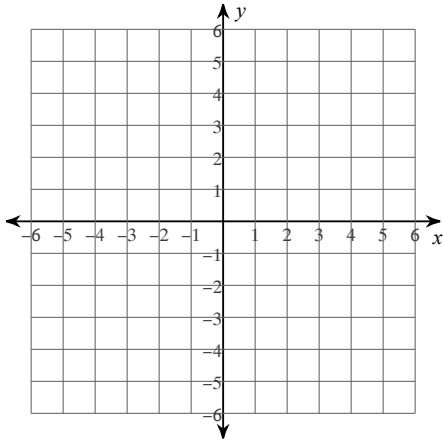
XV. Solve as directed.

15) Evaluate $f(x) = 2x - 5$ when $x = 11$

16) For $f(x) = 4x + 2$, find the value of x for which $f(x) = 94$

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

17) x -intercept = 5, y -intercept = -2

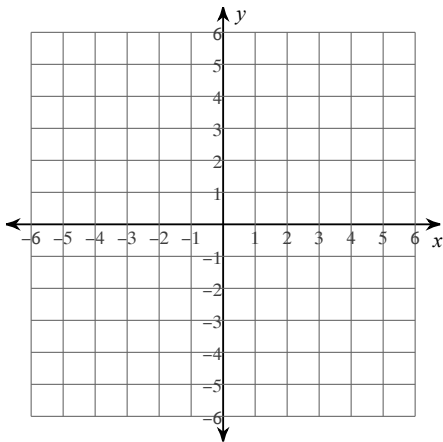


XVII. Find the x and y intercepts of the given function.

18) $3x - 8y = -48$

XVIII. Sketch the graph of each line.

19) $x = -3$



20) $y = \frac{3}{4}x + 2$

