

**Solve each equation.**

1)  $-13x = -78$

2)  $-6p + 7 = 31$

3)  $\frac{r}{16} + 4 = 5$

4)  $-3m + 8m = -10$

5)  $-56 = 4(3n - 2)$

6)  $|x| = 5$

7)  $|8x - 2| - 7 = 35$

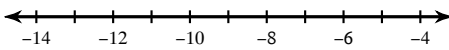
**Solve each equation for the indicated variable.**

8)  $u = a - k$ , for  $a$

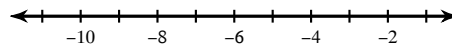
9)  $m + 4a = -3$ , for  $a$

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

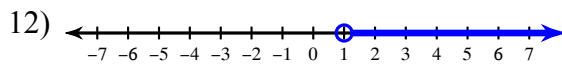
10)  $-9 < n + 1$



11)  $-4r \geq 12$

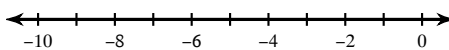


**Write an inequality for each graph.**

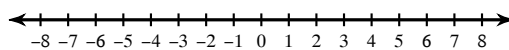


**Solve each inequality and graph its solution.**

13)  $3(3 - 3x) > 36$



14)  $|2p + 1| \leq 11$



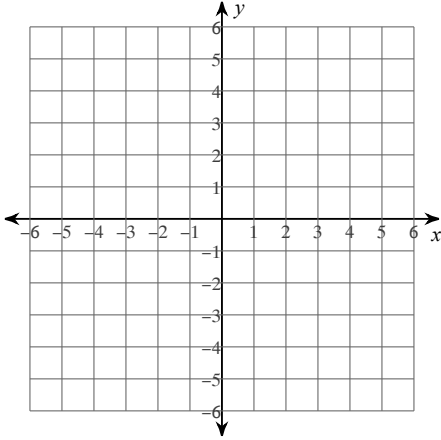
Write each as an algebraic expression.

15) twice u is equal to 9

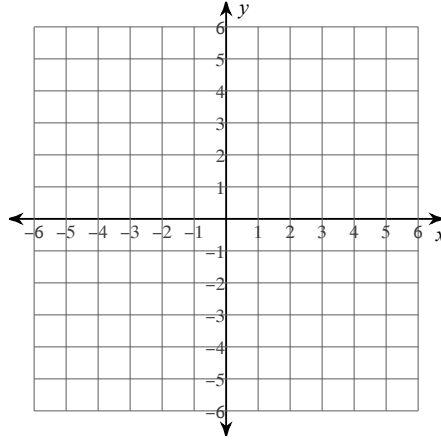
16) 6 more than x is equal to 27

Sketch the graph of each line.

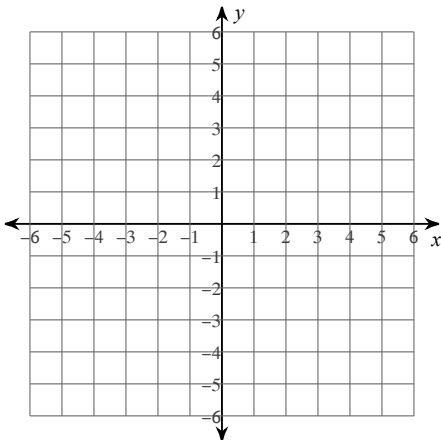
17)  $x$ -intercept =  $-5$ ,  $y$ -intercept =  $4$



18)  $4x + 5y = 20$



19)  $y = \frac{3}{4}x - 2$



Find the slope of each line.

20)

