

I. Solve each equation.

1)  $24 = p + 11$

2)  $-3a = 45$

3)  $-33 = p - 19$

4)  $\frac{n}{12} = -14$

II. Solve each equation.

5)  $1 + 2x + 7 = -6$

6)  $4k - k = -15$

7)  $-r - 7 - 3r = -3$

8)  $7 - 3x + 8 = 3$

III. Solve each equation.

9)  $8p - 1 = 3 + 6p$

10)  $2 + 6a - 6a = 3a + 2 - 6$

11)  $4x + 7 = 6x - 7$

12)  $8 + 3x - 4x = 2x - 7$

IV. Solve each equation.

13)  $-3(-5x + 8) = -7x + 20$

14)  $-2(1 - 4n) + 2 = 14 + 6n$

15)  $-6(r - 2) + 7 = 16 - 3r$

16)  $30 + x = 5(-2 - 8x) + x$

V. Solve each equation.

17)  $3n - 3n = -1$

18)  $5x - 2 = 2x + 3x - 2$

19)  $3y + 4y - 1 = 2y + 5y - 1$

20)  $2x + 3x + 2 = 3x + 2x + 3$

VI. Solve each equation.

21)  $|x - 9| + 2 = 16$

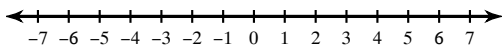
22)  $|5p| + 1 = 31$

23)  $|9a| + 7 = 88$

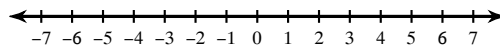
24)  $|x + 6| + 1 = 4$

VIII. Draw a graph for each inequality.

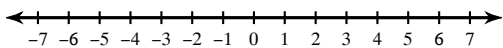
25)  $n \geq 0$



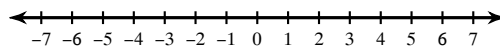
26)  $x \leq 5$



27)  $x > -2$



28)  $b < -1$



Write an inequality for each graph.

