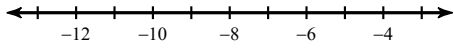


## Equations and Inequalities Practice

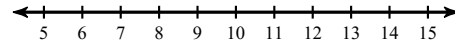
Date \_\_\_\_\_ Period \_\_\_\_\_

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

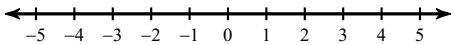
1)  $96 < 8(6 - x)$



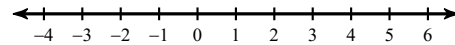
2)  $-6(4 - 5p) \leq 216$



3)  $-4(x - 5) + 8(4x + 3) \geq 72$



4)  $-8(m + 4) - 6(m - 4) \geq 6$

**Solve each inequality.**

5)  $7x - 8x \geq -4$

6)  $-3 - 5n + 7n \leq 3$

7)  $-2(1 - 5v) + 8v \leq -110$

8)  $-63 > 8(1 - 4x) + 5(x + 2)$

$$9) 5r + 4(7 - 6r) \geq -26 - r$$

$$10) -2(5a - 1) + 6 > -4(1 + 2a)$$

**Solve each equation.**

$$11) -7 = n - 7 - 6$$

$$12) 17 = 1 + 8v - 6v$$

$$13) -4(8k + 2) = -104$$

$$14) 8(n - 8) = -104$$

$$15) -62 = -7(7 - 4x) + 3(1 - 4x)$$

$$16) -12 = -7(2x - 8) - (x - 7)$$

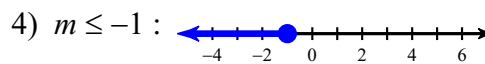
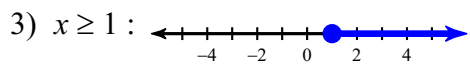
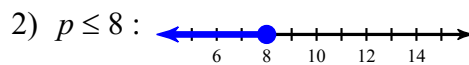
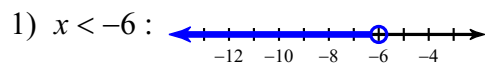
$$17) 8 + n = 4n - 10$$

$$18) -5p + 6p = 3p$$

$$19) -(4 - 4b) + 6 = 16 + 2b$$

$$20) 3(5 - n) - 5(n - 2) = 8n + 5 + 4n$$

## Answers to Equations and Inequalities Practice (ID: 1)



5)  $x \leq 4$

6)  $n \leq 3$

7)  $v \leq -6$

8)  $x > 3$

9)  $r \leq 3$

10)  $a < 6$

11)  $\{6\}$

12)  $\{8\}$

13)  $\{3\}$

14)  $\{-5\}$

15)  $\{-1\}$

16)  $\{5\}$

17)  $\{6\}$

18)  $\{0\}$

19)  $\{7\}$

20)  $\{1\}$