

Name: \_\_\_\_\_

## 5: Solving Eq/Ineq

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

**Solve each equation.**

1)  $-5x - 1 = -1$

2)  $4(n - 2) = 16$

3)  $\frac{a}{4} + 4 = 4$

4)  $\frac{x}{5} - 5 = -3$

**Solve each inequality.**

5)  $-3(3x + 3) < -45$

6)  $-2 + 4(1 - 4x) \leq -62$

7)  $-4(4v - 3) \leq 44$

8)  $-48 \geq 4(3k - 3)$

9)  $7(2m + 5) - 6m < 20 + 3m$

10)  $-(4n + 2) < -4n - 2$

11)  $-6(v - 5) - 7v < -7v - 6$

12)  $34 - 7b < -6(7b + 6)$

Name: \_\_\_\_\_

## 5: Solving Eq/Ineq

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

**Solve each equation.**

1)  $-5x - 1 = -1$

$\{0\}$

2)  $4(n - 2) = 16$

$\{6\}$

3)  $\frac{a}{4} + 4 = 4$

$\{0\}$

4)  $\frac{x}{5} - 5 = -3$

$\{10\}$

**Solve each inequality.**

5)  $-3(3x + 3) < -45$

$x > 4$

6)  $-2 + 4(1 - 4x) \leq -62$

$x \geq 4$

7)  $-4(4v - 3) \leq 44$

$v \geq -2$

8)  $-48 \geq 4(3k - 3)$

$k \leq -3$

9)  $7(2m + 5) - 6m < 20 + 3m$

$m < -3$

10)  $-(4n + 2) < -4n - 2$

No solution.

11)  $-6(v - 5) - 7v < -7v - 6$

$v > 6$

12)  $34 - 7b < -6(7b + 6)$

$b < -2$