

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Inequalities and Their Graphs Exit Quiz

Check whether the given number is a solution of the inequality.

1.  $\frac{14 - x}{x} \geq 7$

$x = 2$

2.  $\frac{x + 4}{3} \leq 3$

$x = 5$

3.  $x(6x + 4) > 25$

$x = 2$

Graph each inequality.

4.  $z < -3$



5.  $m \geq 4$



# Inequalities and Their Graphs Exit Quiz

**ANSWER**

Check whether the given number is a solution of the inequality.

1.  $\frac{14 - x}{x} \geq 7$

$x = 2$

$$\frac{14 - 2}{2} \geq 7$$

$$\frac{12}{2} \geq 7$$

$$6 \geq 7$$

2.  $\frac{x + 4}{3} \leq 3$

$x = 5$

$$\frac{5 + 4}{3} \leq 3$$

$$\frac{9}{3} \leq 3$$

$$3 \leq 3$$

3.  $x(6x + 4) > 25$

$x = 2$

$$2(6(2) + 4) > 25$$

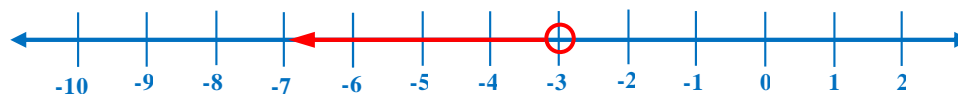
$$2(12 + 4) > 25$$

$$2(16) > 25$$

$$32 > 25$$

Graph each inequality.

4.  $z < -3$



5.  $m \geq 4$

