Name: _____ Period: _____ Date: _____

Inequalities and Their Graphs Exit Quiz

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

1. $\frac{14-x}{x} \geq 7 \qquad x = 2$

2. $\frac{x+4}{3} \leq 3 \qquad x = 5$

3. $x(6x+4) > 25 \qquad x = 2$

Graph each inequality.

4. $z < -3$

5. $m \geq 4$

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Inequalities and Their Graphs Exit Quiz

ANSWER

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

1. $\frac{14-x}{x} \geq 7 \qquad x = 2$

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

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

$6 \geq 7$

2. $\frac{x+4}{3} \leq 3 \qquad x = 5$

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

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

$3 \leq 3$

3. $x(6x+4) > 25 \qquad x = 2$

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

$2(12+4) > 25$

$2(16) > 25$

$32 > 25$

Graph each inequality.

4. $z < -3$

5. $m \geq 4$