Inequalities with Multiplication and Division Quiz

Evaluate: $2x > 12$

a) $x > 6$

b) $x < 6$

c) $x > 24$

d) $x < 24$

Solve for x: $-4x \leq 12$

a) $x \leq -3$

b) $x \geq -3$

c) $x \geq 3$

d) $x \leq 3$

The solution for $7x \leq -42$ is represented on this number line:

a) *True*

b) *False*

Evaluate: $\frac{1}{2}x < 14$

a) $x > 7$

b) $x < 7$

c) $x > 28$

d) $x < 28$

Solve for x: $-\frac{1}{4}x \leq 5$

a) $x \leq -1$

b) $x \geq -1$

c) $x \geq -20$

d) $x \leq -20$

The solution for $\frac{x}{12} > -11$ is $x > -132$.

a) *True*

b) *False*

Evaluate: $240x \leq -2{,}880$

a) $x \leq 12$

b) $x \leq -12$

c) $x \geq 12$

d) $x \geq -12$

Solve for x: $-\frac{x}{7} > -14$

a) $x > 98$

b) $x < 98$

c) $x > -98$

d) $x < -98$

The solution for $-1.25x \geq 7.5$ is represented by this number line:

a) *True*

b) *False*

Find the solution: $\frac{1}{8}x \leq -2$

a) $x \geq -16$

b) $x \leq 16$

c) $x \leq -16$

d) $x \geq 16$