

Multi-step Inequalities Quiz

Evaluate: $5x + 3 > 28$

- a) $x > 6$
- b) $x > 5$
- c) $x > 4$
- d) $x > 3$

Solve for x : $-6x + 9 \leq 27$

- a) $x \leq -3$
- b) $x \geq -3$
- c) $x \geq -6$
- d) $x \leq -6$

The solution for $16 \geq -2x - 6$ is $x \geq -11$.

- a) *True*
- b) *False*

Evaluate: $\frac{1}{4}x - 5 < 3$

- a) $x > 2$
- b) $x < 2$
- c) $x > 32$
- d) $x < 32$

Solve for x : $-\frac{2}{3}x + 6 \leq -2$

- a) $x \leq -12$
- b) $x \geq -12$
- c) $x \geq 12$
- d) $x \leq 12$

The solution for $-2(x + 3) > -14$ is $x > 4$.

- a) *True*
- b) *False*

Evaluate: $15x + 4 \leq 8x - 17$

- a) $x \leq -5$
- b) $x \leq -3$
- c) $x \geq -3$
- d) $x \geq -5$

Solve for x : $\frac{1}{2}(x+4) > -2(x-8)$

- a) $x > 5\frac{3}{5}$
- b) $x > 4\frac{1}{3}$
- c) $x > -5\frac{3}{5}$
- d) $x > -4\frac{1}{3}$

The solution for $-4.75x + 2.5 \geq -6.5 - 3.25x$ is $x \leq 6$

- a) *True*
- b) *False*

Find the solution: $\frac{1}{8}x - 2 \leq -2(\frac{1}{4}x + 6)$

- a) $x \geq -16$
- b) $x \leq 16$
- c) $x \leq -16$
- d) $x \geq 16$