

Multi-step Inequalities Quiz

Evaluate: $5x + 3 > 28$

b) $x > 5$

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

b) $x \geq -3$

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

a) *True*

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

d) $x < 32$

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

c) $x \geq 12$

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

b) *False*

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

b) $x \leq -3$

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

a) $x > 5\frac{3}{5}$

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

a) *True*

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

c) $x \leq -16$