

Student Name: _____

Score: _____

Solve – Multi Step Inequalities

$$\frac{2x + 3}{x - 1} < \frac{3}{4}$$

Answer:

$$4(x - 7) \leq 3(2x - 1) + 3$$

Answer:

$$4x - 9 - 7x \geq -7x - 11 + 3x$$

Answer:

$$\frac{-6x}{5} < -3x + 2$$

Answer:

$$-x - 3(x - 2) \leq 4(2 - 3x) - 2x$$

Answer:

$$\frac{4}{x + 3} > -\frac{7}{2}$$

Answer:

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Answers

$\frac{2x + 3}{x - 1} < \frac{3}{4}$	$4(x - 7) \leq 3(2x - 1) + 3$
Answer: $x < -3$	Answer: $x \geq -14$
$4x - 9 - 7x \geq -7x - 11 + 3x$	$\frac{-6x}{5} < -3x + 2$
Answer: $x \geq -2$	Answer: $x < \frac{10}{9}$
$-x - 3(x - 2) \leq 4(2 - 3x) - 2x$	$\frac{4}{x + 3} > -\frac{7}{2}$
Answer: $x \leq \frac{1}{5}$	Answer: $x > -\frac{29}{7}$