

Solving Multi-Step Inequalities

MS1

Solve each inequality.

1) $\frac{2x + 5}{3} > 4x$

2) $6x + 2 \leq 2x + 6$

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

5) $5x + 3 \leq 7x$

7) $\frac{5x + 4}{5} \geq 2x$

8) $3(8x + 2) < 18x$

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Solving Multi-Step Inequalities

MS1

Solve each inequality.

1) $\frac{2x + 5}{3} > 4x$

$x < \frac{1}{2}$

2) $6x + 2 \leq 2x + 6$

$x \leq 1$

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

x

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$\frac{9}{4}$

5) $5x + 3 \leq 7x$

x

-6

7) $\frac{5x + 4}{5} \geq 2x$

$x \leq \frac{4}{5}$

8) $3(8x + 2) < 18x$

$x < -1$