

Solving Multi-Step Inequalities

MS3

Solve each inequality.

1) $6(5 - 4x) \leq 3x$

2) $9 < \frac{5x + 2}{3}$

3) $\frac{2x}{3} \geq -5 - x$

5) $2 - 2x > 4x$

7) $2x - \frac{3}{2} < 6x$

8) $6x - 3 > \frac{7x}{2}$

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Solving Multi-Step Inequalities

MS3

Solve each inequality.

1) $6(5 - 4x) \leq 3x$

$x \geq \frac{10}{9}$

2) $9 < \frac{5x + 2}{3}$

$x > 5$

3) $\frac{2x}{3} \geq -5 - x$

x

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-1

5) $2 - 2x > 4x$

x

10

7) $2x - \frac{3}{2} < 6x$

$x > -\frac{3}{8}$

8) $6x - 3 > \frac{7x}{2}$

$x > \frac{6}{5}$