

Identifying Solutions - MCQ

Multi-step: S1

Choose the correct solution that best describes each inequality.

1) $2(15 + 6x) < -66$ or $5(3x + 16) < -25$

a) $x < -8$

b) $x < -8$ or $x > 7$

c) $x < -7$

d) $x < -8$ or $x > -7$

2) $8 \geq \frac{5x + 7}{4} > 3$

a) $x > 1$

b) $1 < x \leq 5$

c) $1 < x < 5$

d) $x \leq 5$

3) $-16 \leq \frac{3x}{5} + x$ and

a) $x \leq 4$

c) $-4 < x \leq 10$

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$\frac{1}{3}(12x - 21) < 9$

b) $x \leq 4$ or $x > 10$

d) $x > 10$

5) $80 > 4(-x - 10) \geq -$

a) $x < -30$

c) $-30 < x \leq 8$

$-7 < \frac{x}{2} + \frac{2x}{3}$

b) $x \leq -24$ or $x > -6$

d) $x < -6$

7) $6(11x - 13) < 54$ or $\frac{2x + 7}{5} > 3$

a) $x < 2$

b) $x \leq 2$ or $x > 4$

c) $x < 2$ or $x > 4$

d) $x > 4$

8) $4(7x - 26) \leq 64$ and $5(19 + 2x) > -65$

a) $x > -16$

b) $x \leq 6$

c) $-16 < x \leq 6$

d) $-16 \leq x < 6$