

## 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)  $-16 \leq x < 6$

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