

Identifying Solutions - MCQ

Multi-step: S3

Choose the correct solution that best describes each inequality.

1) $-4 < \frac{x}{3} - \frac{x}{9} < 4$

a) $6 < x < 18$

b) $-18 < x < 18$

c) $x > 18$

d) $x > 6$

2) $\frac{2x+6}{4} > 3$ or $2(6x+7) \leq 26$

a) $x > 3$

b) $x \leq 1$ or $x > -3$

c) $x \leq 1$ or $x > 3$

d) $x \leq 1$

3) $5(-x-6) \leq -60$ and

a) $x \leq 25$

c) $x > 6$ and $x < 25$

$5 \leq \frac{2x-3}{9}$

b) $x < 8$ or $x \geq 24$

d) $x \geq 24$

5) $\frac{1}{5}(8x+26) > -14$ or

a) $x \leq 11$ or $x > -12$

c) $x < 11$ or $x > -12$

5 and $42 > 14(-x-3)$

b) $x > -3$

d) $x \leq -3$ and $x > -6$

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7) $1 \leq \frac{-x-16}{2} \leq 2$

a) $x \geq -20$

b) $x \leq -18$

c) $-20 \leq x \leq -18$

d) $-20 < x \leq -18$

8) $4(3x+6) < -24$ or $\frac{2x-5}{7} > 3$

a) $x < -4$ or $x > 13$

b) $x < 4$ or $x > 13$

c) $x > 13$

d) $x < -4$

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