

Identifying Solutions - MCQ

Two-step: S3

Choose the correct solution that best describes each inequality.

1) $-32 < 5x + 3 < -17$

- a) $x < -4$ b) $-7 < x < 4$
 c) $-7 < x < -4$ d) $x < -7$

2) $3x + 6 \geq 15$ or $\frac{2x}{5} - 1 > 3$

- a) $x > 10$ b) $x \geq 3$
 c) $x \leq 3$ or $x > 10$ d) $x < 3$ or $x \geq 10$

3) $\frac{x}{5} + 12 > 15$ or

- a) $x < -15$ or $x > 11$
 c) $x < 11$

$5x - 3 > 27$

- b) $6 \leq x < 19$
 d) $x < 6$

5) $19 \leq \frac{7x}{9} + 5 < 3$

- a) $8 < x \leq 36$
 c) $x < 36$

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- b) $-12 < x < 4$
 d) $x < -12$

7) $1 + 2x \leq 33$ and

- a) $x \geq 9$ and $x \leq 16$
 c) $x \leq 9$ d) $x \geq 16$

$3x - 20 \geq 7$

- b) $x \geq 9$
 c) $x \geq -2$ d) $x \leq -9$ or $x \geq -2$

9) $5x - 1 \geq 49$ or $6x + 3 > 15$

- a) $x \geq 10$ b) $x > 2$
 c) $x < 2$ or $x > 10$ d) $x \leq 2$ or $x > 10$

10) $2x + 17 \leq 7$ or $\frac{x-4}{4} \geq 9$

- a) $x \leq -40$ or $x \geq 5$ b) $x \geq 40$
 c) $x \geq -5$ d) $x \leq -5$ or $x \geq 40$