

Identifying Solutions - MCQ

Two-step: S1

Choose the correct solution that best describes each inequality.

1) $\frac{x-4}{5} \leq 2$ and $7x - 19 > 2$

- a) $3 \leq x < 14$ b) $x \geq 3$
 c) $3 < x < 14$ d) $3 < x \leq 14$

2) $5 + 2x \geq 19$ or $2x - 5 \geq 3$

- a) $x \geq 4$ b) $4 \leq x \leq 7$
 c) $x \leq 4$ or $x \geq 7$ d) $x \geq 7$

3) $3x - 16 \leq 11$ and $5x - 1 > 14$

- a) $6 \leq x < 9$
 c) $x < 6$

$7x < x + 18$

- b) $x < 3$ or $x \geq 7$
 d) $x \leq 3$

5) $-10 < 16 + 13x \leq 2$

- a) $-2 < x \leq -1$
 c) $x < -1$

$2x + 17 > 5$

- b) $x > -8$
 d) $x < -8$ or $x > 6$

7) $19 + 2x \geq 7$ and $3x - 1 > 14$

- a) $x \geq 2$ and $x \leq 6$
 c) $x \geq -6$ d) $x \geq -6$ and $x \leq 2$

$3x + 4 > 25$

- b) $x < -7$ or $x \geq 8$
 d) $x < 7$ or $x \geq 8$

9) $3x + 17 \leq 8$ or $\frac{x-7}{4} \geq 3$

- a) $x < 3$ or $x > 19$ b) $x \geq -3$
 c) $x \leq -3$ or $x \geq 19$ d) $x \geq 19$

10) $24 \leq \frac{5x}{2} + 4 < 39$

- a) $8 < x \leq 14$ b) $x \leq 14$
 c) $x \geq 8$ d) $8 \leq x < 14$

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