

Identifying Solutions - MCQ

One-step: S3

Choose the correct solution that best describes each inequality.

1) $\frac{x}{5} > -4$ and $\frac{x}{3} < 2$

- a) $x > 6$ b) $x > -6$ and $x < 20$
 c) $x > -20$ and $x < 6$ d) $x < 20$

2) $6x < 72$ and $x - 7 \geq 1$

- a) $x < 12$ b) $8 \leq x < 12$
 c) $x > 8$ and $x \leq 12$ d) $x > 8$

3) $-16 \leq 4x < 8$

- a) $-4 < x \leq 2$
 c) $x < -4$

$3x < -18$

- b) $x \leq 6$
 d) $x \geq 15$

5) $6 > 3 + x \geq 0$

- a) $-3 \leq x < 3$
 c) $-3 < x \leq 3$

$x > 25$

- b) $x > 5$
 d) $x < 5$ or $x > 12$

7) $23 + x \geq 12$ and

- a) $x \geq -11$ and $x \leq -7$
 c) $x \geq -11$ d) $x \geq -11$ and $x \leq 7$

$3 > 11$

- b) $x < 8$ or $x \geq 10$
 d) $x \geq 10$

9) $x + 17 \leq 6$ or $x - 12 > 3$

- a) $x < 11$ or $x > 15$ b) $x > 15$
 c) $x \leq -11$ or $x > 15$ d) $x < 11$

10) $24 \leq 3x < 39$

- a) $8 < x \leq 13$ b) $x \leq 13$
 c) $x \geq 8$ d) $8 \leq x < 13$

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