

## 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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