

## Identifying Solutions - MCQ

One-step: S1

Choose the correct solution that best describes each inequality.

1)  $x + 6 \geq 14$  or  $x - 2 \leq 3$

- a)  $x \leq 5$  or  $x \geq 8$       b)  $x \leq 5$   
 c)  $5 \leq x \leq 8$               d)  $x \geq 8$

2)  $2x < 12$  and  $x - 1 \geq 2$

- a)  $x < 6$                               b)  $3 < x \leq 6$   
 c)  $x \leq 3$                               d)  $3 \leq x < 6$

3)  $3x < 21$  or  $5x > 5$

- a)  $x < -11$  or  $x > 7$   
 c)  $x < 7$

- b)  $x < -8$   
 d)  $-20 \leq x < 8$

5)  $\frac{x}{2} > 4$  and  $\frac{x}{9} < 2$

- a)  $x > 8$  and  $x < 18$   
 c)  $x > 8$

$x > 13$

- b)  $x \geq 3$   
 d)  $x > 9$

7)  $16 \leq 4x < 28$

- a)  $x \geq 7$   
 c)  $7 \geq x > 4$

$x > 2$

d)  $4 \leq x < 7$

c)  $x > 4$

- b)  $4 \leq x < 18$   
 d)  $x \geq 18$

9)  $7x \geq 49$  or  $2x < -16$

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

10)  $10 + x \geq 7$  and  $3x \leq 36$

- a)  $3 \leq x \leq 12$                       b)  $x \leq 12$   
 c)  $x \geq -3$                               d)  $x \geq -3$  and  $x \leq 12$

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