

## Identifying Solutions

Two-step: S3

Choose the correct solution that best describes each inequality.

1)  $|5x| - 34 \geq -24$

- a)  $x \geq 2$                       b)  $x \leq -2$   
 c)  $x \leq -2$  or  $x \geq 2$       d) No solution

2)  $\frac{|3x|}{2} + 7 \leq 22$

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

3)  $|x + 8| + 19 > 26$

- a)  $x < -15$   
 c)  $x > -15$  and  $x < -1$

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- b)  $x > -8$   
 d)  $x < -8$  or  $x > 2$

5)  $\frac{|x - 14|}{3} \leq 5$

- a)  $x \geq -1$   
 c)  $x \geq 29$

- b)  $x \geq -5$  or  $x \leq -1$   
 d) No solution

7)  $|x - 7| - 21 < 6$

- a)  $x > -20$  and  $x < 34$       b)  $x < -20$  or  $x > 34$   
 c)  $x > -34$  and  $x < 20$       d) No solution

8)  $|3x - 3| > 30$

- a)  $x > 9$                               b)  $x < -11$  or  $x > 9$   
 c)  $x < -9$                               d)  $x < -9$  or  $x > 11$

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