Name : _____

Score : _____

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

   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) $x < -15$ b) $x > -8$

   c) $x > -15$ and $x < -1$ d) $x < -8$ or $x > 2$

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

   a) $x \geq -1$ b) $x \geq -5$ or $x \leq -1$

   c) $x \geq 29$ 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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