

Identifying Solutions

MS1

Choose the correct solution that best describes each inequality.

1) $7 \geq 2x - 35$

- a) $[21, \infty)$ b) $(-21, \infty)$
 c) $(-\infty, 21]$ d) $[-21, \infty)$

2) $x + 2 < 3x$

- a) $(1, \infty)$ b) $(-\infty, 1]$
 c) $(-\infty, 1)$ d) $[1, \infty)$

3) $-5 > 13 + 2x$

- a) $(-9, \infty)$
 c) $(-\infty, -9]$

- b) $(31, \infty)$
 d) $[31, \infty)$

5) $3x + 10 < -5$

- a) $(-\infty, -5)$
 c) $(5, \infty)$

- b) $(8, \infty)$
 d) $(-\infty, 8)$

7) $-9 \leq 1 + \frac{x}{5}$

- a) $(-\infty, -50]$
 c) $(-\infty, 50)$

- d) $[-50, \infty)$

- c) $(-\infty, 37]$

- b) $[37, \infty)$
 d) $(-37, \infty)$

9) $2x - 4 < -16$

- a) $(-\infty, 6]$ b) $(-\infty, 6)$
 c) $(-\infty, -6)$ d) $(-\infty, -6]$

10) $12 \leq \frac{x-1}{2}$

- a) $[25, \infty)$ b) $(25, \infty)$
 c) $(-\infty, 25]$ d) $(-\infty, 25)$

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- a) $(-\infty, -50]$ b) $[37, \infty)$
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