

Identifying Solutions

MS1

Choose the correct solution that best describes each inequality.

1) $15 < 3x$

- a) $[5, \infty)$ b) $(-\infty, 5)$
 c) $(-\infty, 5]$ d) $(5, \infty)$

2) $x - 16 > -5$

- a) $(11, \infty)$ b) $(-\infty, 11]$
 c) $(-\infty, 11)$ d) $[11, \infty)$

3) $\frac{x}{2} \leq 13$

- a) $(26, \infty)$
 c) $(-\infty, 26]$

- b) $(-9, \infty)$
 d) $[-9, \infty)$

5) $7x \geq 84$

- a) $(-\infty, 12)$
 c) $(12, \infty)$

- b) $(-18, \infty)$
 d) $(-\infty, -18)$

7) $x + 22 < -41$

- a) $(-\infty, 63)$
 c) $(-\infty, 19)$

- d) $(-\infty, 19]$

- c) $(-\infty, 24)$

- b) $(-\infty, 24]$
 d) $(-24, \infty)$

9) $-60 \leq 12x$

- a) $(5, \infty)$ b) $(-\infty, 5)$
 c) $[-5, \infty)$ d) $(-\infty, 5]$

10) $16 + x > 35$

- a) $(-19, \infty)$ b) $[-19, \infty)$
 c) $(-\infty, 19]$ d) $(19, \infty)$

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