

Identifying Solutions

MS3

Choose the correct solution that best describes each inequality.

1) $\frac{x}{7} \leq 9$

- a) $[63, \infty)$ b) $(-\infty, 63)$
 c) $(-\infty, 63]$ d) $[-63, \infty)$

2) $18 < x + 6$

- a) $(12, \infty)$ b) $(-\infty, 12]$
 c) $(-\infty, 12)$ d) $[12, \infty)$

3) $12 > x - 26$

- a) $(-38, \infty)$
 c) $(-\infty, -38)$

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

5) $x + 16 < -3$

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

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

7) $-15 \geq \frac{x}{5}$

- a) $(-\infty, -75)$
 c) $(-\infty, -75]$

- d) $[-75, \infty)$

- c) $(\infty, 25)$

- b) $(-\infty, -25)$
 d) $(-\infty, -25]$

9) $3x \geq 126$

- a) $(-42, \infty)$ b) $(-\infty, 42)$
 c) $(42, \infty)$ d) $[42, \infty)$

10) $x - 18 \leq 7$

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

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