

Identifying Solutions

ES3

Choose the correct solution that best describes each inequality.

1) $2x < 12$

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

2) $x + 8 > 23$

- a) $(15, \infty)$ b) $(-\infty, 15]$
 c) $(-\infty, 15)$ d) $[15, \infty)$

3) $\frac{x}{4} \leq 4$

- a) $(16, \infty)$
 c) $[16, \infty)$

- b) $(-\infty, 22)$
 d) $[22, \infty)$

5) $8x \geq 40$

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

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

7) $x + 2 < 22$

- a) $(-\infty, 20)$
 c) $[20, \infty)$

- b) $(-\infty, -3)$
 d) $(-3, \infty)$

9) $3x \leq 24$

- a) $(8, \infty)$ b) $(-\infty, 8)$
 c) $[-8, \infty)$ d) $(-\infty, 8]$

10) $x - 15 > 2$

- a) $(-\infty, 17]$ b) $[17, \infty)$
 c) $(-\infty, 17)$ d) $(17, \infty)$

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d) $(20, \infty)$ c) $(3, \infty)$