

Identifying Solutions

ES2

Choose the correct solution that best describes each inequality.

1) $\frac{x+4}{5} \leq 6$

- a) $(-\infty, -26)$ b) $(26, \infty)$
 c) $(-\infty, 26]$ d) $[26, \infty)$

2) $7 + 3x < 22$

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

3) $8x + 2 < 34$

- a) $(-\infty, 4]$
 c) $[4, \infty)$

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- b) $(-\infty, 2]$
 d) $(2, \infty)$

5) $23 + 4x > 7$

- a) $(-\infty, 4)$
 c) $[4, \infty)$

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

7) $\frac{x}{3} + 2 < 4$

- a) $(6, \infty)$
 c) $(-\infty, 6)$

- d) $[-6, \infty)$

- c) $[4, \infty)$

- b) $(-\infty, 4)$
 d) $(4, \infty)$

9) $\frac{x}{6} + 3 \geq 11$

- a) $(-48, \infty)$ b) $[48, \infty)$
 c) $(48, \infty)$ d) $[-48, \infty)$

10) $9x - 15 < 3$

- a) $(-\infty, 2]$ b) $(2, \infty)$
 c) $(-\infty, 2)$ d) $[-2, \infty)$