

Identifying Solutions

MS4

Choose the correct solution that best describes each inequality.

1) $x - 15 \geq -2$

- a) $[13, \infty)$ b) $(-\infty, -13)$
 c) $(13, \infty)$ d) $(-\infty, 13)$

2) $121 > 11x$

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

3) $4x \leq -84$

- a) $(-\infty, -21)$
 c) $[-21, \infty)$

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

5) $8 > \frac{x}{9}$

- a) $(72, \infty)$
 c) $(-\infty, 72)$

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

7) $18 < x - 23$

- a) $(41, \infty)$
 c) $[-41, \infty)$

- b) $(-\infty, 104)$
 d) $(-\infty, 104]$

9) $1 + x \geq 32$

- a) $(-\infty, 31]$ b) $[31, \infty)$
 c) $(31, \infty)$ d) $(-\infty, 31)$

10) $x - 34 < 19$

- a) $(-\infty, 53)$ b) $(-\infty, 53]$
 c) $(53, \infty)$ d) $[53, \infty)$

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d) $[41, \infty)$ c) $[104, \infty)$