

Identifying Solutions

Sheet 3

Choose the correct interval that best describes each inequality.

1) $25 < x$

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

2) $x \geq -6$

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

3) $x \leq 13$

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

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

5) $x < -1$

- a) $(-\infty, -1]$
 c) $[-1, \infty)$

- b) $[10, \infty)$
 d) $(-\infty, 10]$

7) $23 \leq x$

- a) $(-\infty, 23]$
 c) $[23, \infty)$

- d) $(23, \infty)$

- c) $(-\infty, 8]$

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

9) $-19 \geq x$

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

10) $x < 17$

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

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3) $x \leq 13$

a) $[13, \infty)$

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b) $[-24, \infty)$

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9) $-19 \geq x$

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

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c) $(-19, \infty)$

d) $[-19, \infty)$

10) $x < 17$

a) $(-\infty, 17]$

b) $[17, \infty)$

c) $(17, \infty)$

d) $(-\infty, 17)$