

Identifying Solutions - MCQ

Basic: S2

Choose the correct solution that best describes each inequality.

1) $|x| < 7$

- a) $[-7, 7]$ b) $(-7, 7)$
 c) $(-\infty, -7] \cap [7, \infty)$ d) $(-\infty, 7)$

2) $|x| \geq 15$

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

3) $-|x| \leq 34$

- a) $(-\infty, 34]$ b) $[-34, \infty)$
 c) $(-\infty, -34] \cap [34, \infty)$ d) $(-\infty, -34] \cup [34, \infty)$

4) $|x| > 29$

- b) $(-\infty, 29)$
 d) $(-\infty, 29] \cup [-29, \infty)$

5) $|x| \geq 18$

- a) $[18, \infty)$ b) $(-\infty, -18]$
 c) $(-\infty, -18] \cup [18, \infty)$ d) $(-\infty, -18] \cup [18, \infty)$

7) $|x| > 6$

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

9) $|-x| \leq 22$

- a) $(-\infty, 22] \cup [-22, \infty)$ b) $[-22, 22]$
 c) $(-22, 22)$ d) No solution

10) $|x| < 13$

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

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

- b) $(-\infty, 36] \cup [-36, \infty)$
 d) No solution

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2) $|x| \geq 15$

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

c) $(-\infty, 15) \cup (-15, \infty)$ ~~d) $(-\infty, -15] \cup [15, \infty)$~~

3) $-|x| \leq 34$

a) $(-\infty, 34]$ b) $(-\infty, -34]$

c) $(-\infty, -34] \cap [34, \infty)$ ~~d) $(-\infty, 34] \cap [-34, \infty)$~~

4) $|x| > 29$

b) $(-\infty, 29)$

d) $(-\infty, 29] \cup [-29, \infty)$

5) $|x| \geq 18$

a) $[18, \infty)$ b) $(-\infty, -18]$

~~c) $(-\infty, -18] \cup [18, \infty)$~~ d) $(-\infty, \infty)$

7) $|x| > 6$

~~b) $(-\infty, -6) \cup (6, \infty)$~~ b) $(-\infty, 36] \cup [-36, \infty)$

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

c) $(-36, 36)$ ~~d) No solution~~

9) $|-x| \leq 22$

a) $(-\infty, 22] \cup [-22, \infty)$ ~~b) $[-22, 22]$~~

c) $(-22, 22)$ d) No solution

10) $|x| < 13$

a) $(-\infty, -13] \cup [13, \infty)$ b) $(13, \infty)$

~~c) $(-13, 13)$~~ d) $(-\infty, -13)$

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