

## Identifying Solutions - MCQ

Basic: 53

Choose the correct solution that best describes each inequality.

1)  $|-x| \leq 14$

- a)  $(-\infty, -14] \cup [14, \infty)$       b)  $(-\infty, 14] \cap [-14, \infty)$   
 c)  $(-\infty, 14) \cap (-14, \infty)$       d) No solution

2)  $|x| > 28$

- a)  $(-\infty, -28) \cup (28, \infty)$       b)  $(28, \infty)$   
 c)  $(-\infty, -28)$       d)  $(-\infty, 28) \cup (-28, \infty)$

3)  $|x| < 2$

- a)  $(-\infty, 2)$       b)  $(-\infty, 2) \cap (-2, \infty)$   
 c)  $(-\infty, -2) \cup (2, \infty)$       d) No solution

4)  $|x| > -33$

- b)  $(-\infty, 33] \cap [-33, \infty)$   
 d) No solution

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5)  $|x| > 17$

- a)  $(-\infty, -17) \cup (17, \infty)$       b)  $(-\infty, 17) \cap (17, \infty)$   
 c)  $(-\infty, 17)$       d) No solution

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

7)  $|-x| \geq 11$

- a)  $(-\infty, -11]$       b)  $(-\infty, 11] \cap [-11, \infty)$   
 c)  $(-\infty, -11] \cup [11, \infty)$       d) No solution

- c)  $(-\infty, 1)$       d)  $(-\infty, -1) \cup (1, \infty)$

9)  $|x| < 37$

- a)  $(-\infty, 37)$       b)  $(-37, \infty)$   
 c)  $(-\infty, -37) \cup (37, \infty)$       d)  $(-\infty, 37) \cap (-37, \infty)$

10)  $|x| > 21$

- a)  $(-\infty, -21) \cup (21, \infty)$       b)  $(21, \infty)$   
 c)  $(-\infty, -21)$       d)  $(-\infty, 21) \cup (-21, \infty)$