

Solve:

1.  $|2x-1| \leq 1$

[A]  $x < 0$  or  $x > 1$       [B]  $0 < x < 1$

[C]  $0 \leq x \leq 1$       [D]  $x \leq 0$  or  $x \geq 1$

[1] \_\_\_\_\_

2.  $|2x-1| \leq 2$

[A]  $-\frac{1}{2} \leq x \leq \frac{3}{2}$       [B]  $-\frac{1}{2} < x < \frac{3}{2}$

[C]  $x < -\frac{1}{2}$  or  $x > \frac{3}{2}$

[D]  $x \leq -\frac{1}{2}$  or  $x \geq \frac{3}{2}$

[2] \_\_\_\_\_

3.  $|x-3| < 9$

[A]  $x \leq -6$  or  $x \geq 12$

[B]  $-6 < x < 12$       [C]  $x < -6$  or  $x > 12$

[D]  $-6 \leq x \leq 12$

[3] \_\_\_\_\_

4.  $|x+5| > 4$

[A]  $-9 \leq x \leq -1$

[B]  $x \leq -9$  or  $x \geq -1$

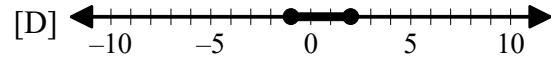
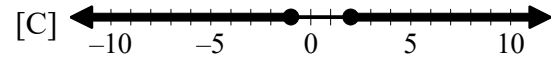
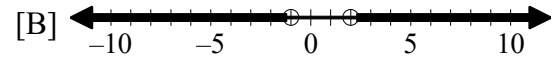
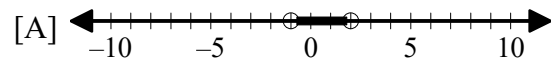
[C]  $-9 < x < -1$

[D]  $x < -9$  or  $x > -1$

[4] \_\_\_\_\_

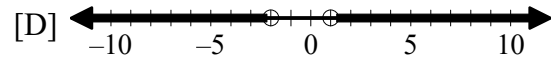
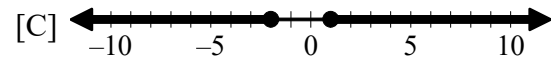
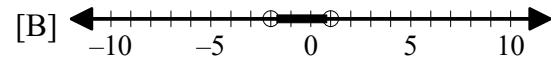
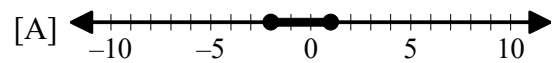
Graph:

5.  $|2x-1| \leq 3$



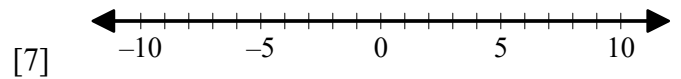
[5] \_\_\_\_\_

6.  $|2x+1| \leq 3$

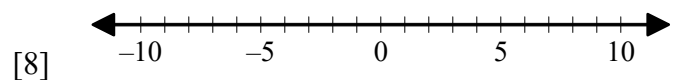


[6] \_\_\_\_\_

7.  $|2x+1| > 4$



8.  $|2x+1| > 3$



9. Compare the quantities in Column A and Column B.

Column AColumn B

the least positive integer that is

the least positive integer that is

a solution to  $|2x| \geq -4$ a solution to  $|2x| \geq 4$ 

[A] The quantity in Column A is greater.

[B] The quantity in Column B is greater.

[C] The quantities are equal.

[D] The relationship cannot be determined from the information given.

[9] \_\_\_\_\_

10. Compare the quantities in Column A and Column B.

Column AColumn B

the least number that is

the greatest number that is

a solution to  $|x| \leq 2$ a solution to  $|x| \geq 2$ 

[A] The quantity in Column A is greater.

[B] The quantity in Column B is greater.

[C] The quantities are equal.

[D] The relationship cannot be determined from the information given.

[10] \_\_\_\_\_

Solve:

11.  $|x+4| \leq 2$

[11] \_\_\_\_\_

12.  $|x-2| \geq 1$

[12] \_\_\_\_\_

[1] C

[2] A

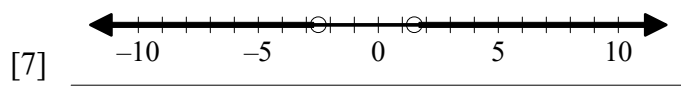
[3] B

[4] D

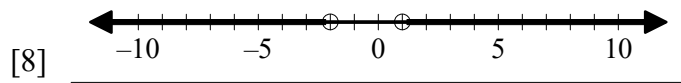
[5] D

[6] A

$$x < -\frac{5}{2}, \quad x > \frac{3}{2}$$



$$x < -2, \quad x > 1$$



[9] A

[10] B

[11]  $-6 \leq x \leq -2$

[12]  $x < 1$  or  $x > 3$