

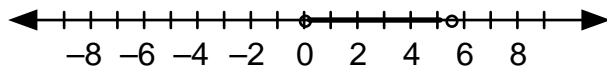
NAME: \_\_\_\_\_

1. If the replacement set is the set of integers, find the solution set for the inequality  $x + 2 \geq 9$ .

[A] {11, 12, 13,...}      [B] {7}      [C] {8, 9, 10,...}      [D] {7, 8, 9,...}

2. If the replacement set is the set of integers, find the solution set for the inequality  $2x + 12 \geq -3$ .

3. What is a possible replacement set for the solution graphed below?



[A] all positive integers      [B] all positive numbers      [C] all positive numbers less than 4  
[D] all positive numbers between 0 and 5      [E] all integers between 0 and 5

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

Column A

Column B

the least number that is a  
solution to  $-6x \leq 2$

the greatest number that is  
a solution to  $-2x \geq 6$

[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.

[1] D

[2]  $\{-7, -6, -5, \dots\}$

[3] D

[4] A