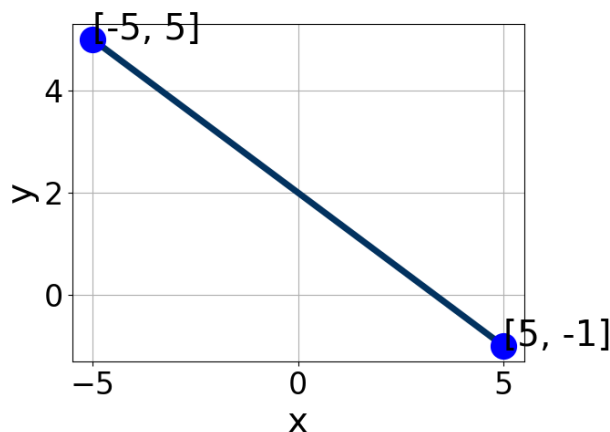1. Write the equation of the line in the graph below in Standard form $Ax + By = C$. Then, choose the intervals that contain $A, B,$ and C.

A. $A \in [-1.3, 1.7]$, $B \in [0.2, 3.1]$, and $C \in [1, 8]$

B. $A \in [-1.3, 1.7]$, $B \in [-1.1, -0.2]$, and $C \in [-4, 0]$

C. $A \in [2.1, 4.2]$, $B \in [-7.5, -4.9]$, and $C \in [-12, -8]$

D. $A \in [-7.1, -1.5]$, $B \in [-7.5, -4.9]$, and $C \in [-12, -8]$

E. $A \in [2.1, 4.2]$, $B \in [3.5, 6.6]$, and $C \in [9, 12]$

2. Solve the equation below. Then, choose the interval that contains the solution.
$$-10(-14x - 2) = -19(15x + 12)$$

A. $x \in [0.48, 0.6]$

B. $x \in [-0.59, -0.54]$

C. $x \in [-0.51, -0.44]$

D. $x \in [-1.55, -1.31]$

E. There are no real solutions.

3. Solve the linear equation below. Then, choose the interval that contains the solution.
$$\frac{-5x + 8}{7} - \frac{3x + 4}{5} = \frac{-7x - 8}{6}$$

A. $x \in [10.35, 14.35]$

B. $x \in [81.29, 83.29]$

C. $x \in [-1.32, 4.68]$

D. $x \in [21.19, 27.19]$

E. There are no real solutions.

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4. Find the equation of the line described below. Write the linear equation as $y = mx + b$ and choose the intervals that contain m and b.

Parallel to $4x + 7y = 8$ and passing through the point $(-4, -5)$.

A. $m \in [-1.01, 0.15]$ $b \in [-2.5, 0.1]$

B. $m \in [-1.01, 0.15]$ $b \in [7, 7.4]$

C. $m \in [-1.89, -0.59]$ $b \in [-8.5, -4.9]$

D. $m \in [0.51, 1.79]$ $b \in [-3.2, -1.8]$

E. $m \in [-1.01, 0.15]$ $b \in [-8.5, -4.9]$

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5. First, find the equation of the line containing the two points below. Then, write the equation as $y = mx + b$ and choose the intervals that contain m and b.

$$(-7, 9) \text{ and } (-2, 7)$$

A. $m \in [-1.8, -0.22]$ $b \in [-6.28, -6.09]$

B. $m \in [-1.8, -0.22]$ $b \in [8.45, 10.98]$

C. $m \in [-1.8, -0.22]$ $b \in [6.1, 6.76]$

D. $m \in [-1.8, -0.22]$ $b \in [15.07, 16.95]$

E. $m \in [-0.19, 0.69]$ $b \in [6.87, 8.48]$

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6. Solve the linear equation below. Then, choose the interval that contains the solution.
$$\frac{-3x+3}{2} - \frac{-7x+8}{6} = \frac{-5x+5}{4}$$

A. $x \in [-2.94, -1.05]$

B. $x \in [-0.57, 1.05]$

C. $x \in [10.05, 10.98]$

D. $x \in [0.99, 1.37]$

E. There are no real solutions.

7. Find the equation of the line described below. Write the linear equation as $y = mx + b$ and choose the intervals that contain m and b.

Parallel to $5x - 9y = 4$ and passing through the point $(-4, 5)$.

A. $m \in [-0.52, 1.08]$ $b \in [-9.22, -5.22]$

B. $m \in [1.23, 3]$ $b \in [6.22, 8.22]$

C. $m \in [-0.52, 1.08]$ $b \in [6.22, 8.22]$

D. $m \in [-1.4, 0.4]$ $b \in [-1.22, 5.78]$

E. $m \in [-0.52, 1.08]$ $b \in [9, 13]$

8. Solve the equation below. Then, choose the interval that contains the solution.
$$-5(14x + 19) = -9(12x + 6)$$

A. $x \in [-2.5, 0.8]$

B. $x \in [-0.1, 1.4]$

C. $x \in [3.7, 5.2]$

D. $x \in [-4.3, -3.8]$

E. There are no real solutions.

9. First, find the equation of the line containing the two points below. Then, write the equation as $y = mx + b$ and choose the intervals that contain m and b.

$$(10, -9) \text{ and } (9, -5)$$

A. $m \in [-4, -3]$ $b \in [-31, -25]$

B. $m \in [-4, -3]$ $b \in [-15, -9]$

C. $m \in [-4, -3]$ $b \in [-22, -17]$

D. $m \in [-4, -3]$ $b \in [26, 36]$

E. $m \in [2, 5]$ $b \in [-44, -39]$

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10. Write the equation of the line in the graph below in Standard form $Ax + By = C$. Then, choose the intervals that contain $A, B,$ and C.
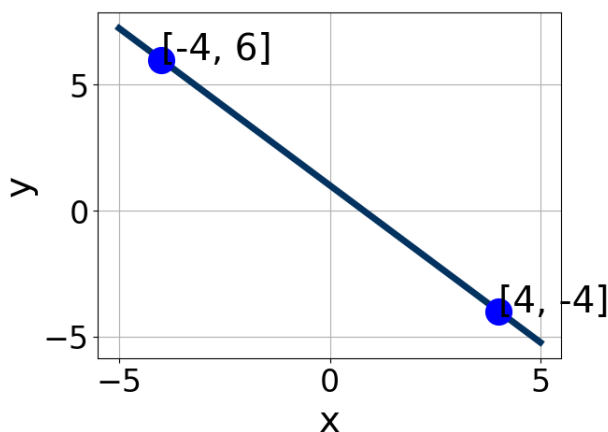
A. $A \in [0.2, 2.2]$, $B \in [-1.27, 0.39]$, and $C \in [-2.27, -0.83]$

B. $A \in [3.9, 8.7]$, $B \in [3.97, 5.85]$, and $C \in [3.12, 5.47]$

C. $A \in [0.2, 2.2]$, $B \in [-0.05, 2.33]$, and $C \in [-0.55, 1.05]$

D. $A \in [3.9, 8.7]$, $B \in [-4.23, -3.27]$, and $C \in [-4.44, -3.8]$

E. $A \in [-8.2, -3.5]$, $B \in [-4.23, -3.27]$, and $C \in [-4.44, -3.8]$