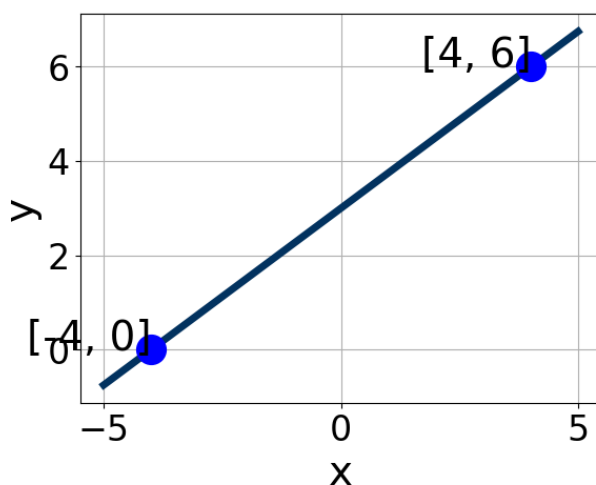1. Write the equation of the line in the graph below in Standard form $Ax + By = C$. Then, choose the intervals that contain $A, B,$ and C.

A. $A \in [-0.22, 0.39], \quad B \in [0.48, 2.12],$ and $C \in [1, 5]$

B. $A \in [-3.12, -2.94], \quad B \in [3.28, 4.92],$ and $C \in [11, 16]$

C. $A \in [3.74, 4.58], \quad B \in [1.81, 3.42],$ and $C \in [7, 10]$

D. $A \in [0.77, 1.15], \quad B \in [0.48, 2.12],$ and $C \in [7, 10]$

E. $A \in [2.48, 3.04], \quad B \in [-5.34, -3.7],$ and $C \in [-15, -11]$

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2. Solve the equation below. Then, choose the interval that contains the solution.

$$-10(-8 + 5x) = -12(6x + 3)$$

A. $x \in [4.9, 5.98]$

B. $x \in [-1.79, -0.45]$

C. $x \in [-5.52, -4.78]$

D. $x \in [-2.32, -1.83]$

E. There are no Real solutions.

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3. 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 $7x + 5y = 14$ and passing through the point $(-7, 4)$.

A. $m \in [-1.1, -0.4]$ and $b \in [-7, -3]$

B. $m \in [-3, 2]$ and $b \in [3, 8]$

C. $m \in [-2.3, -0.8]$ and $b \in [-7, -3]$

D. $m \in [-2, 1]$ and $b \in [-1, 1]$

E. $m \in [0.3, 2.1]$ and $b \in [13, 15]$

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4. 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.

$(-9, 8)$ and $(-2, -3)$

A. $m \in [-5, 1]$ and $b \in [4.9, 7.6]$

B. $m \in [-2, 0]$ and $b \in [-7.2, -4.7]$

C. $m \in [-1, 4]$ and $b \in [-0.3, 1]$

D. $m \in [-3, 1]$ and $b \in [-2.2, -0.2]$

E. $m \in [-3, 2]$ and $b \in [15.6, 17.6]$

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5. Solve the linear equation below. Then, choose the interval that contains the solution.

$$\frac{4x - 9}{2} - \frac{9x - 3}{4} = \frac{-4x + 9}{5}$$

A. $x \in [8, 11]$

B. $x \in [24, 30]$

C. $x \in [11, 18]$

D. $x \in [-10, -5]$

E. There are no Real solutions.