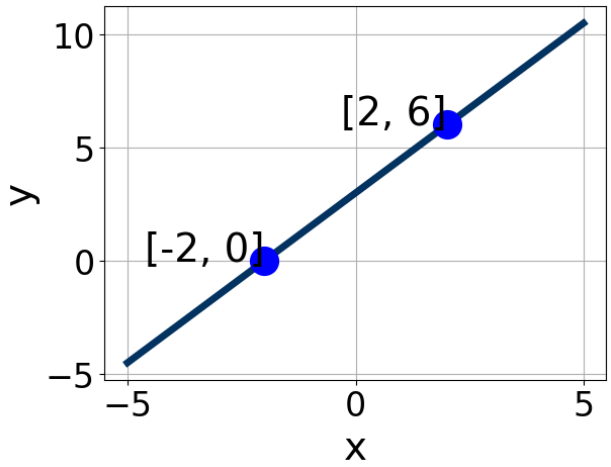
1. Write the equation of the line in the graph below in Standard form $Ax + By = C$. Then, choose the intervals that contain $A, B,$ and C.



A. $A \in [1.5, 3.7]$, $B \in [-4.36, -1.01]$, and $C \in [-6.3, -4.8]$

B. $A \in [-2.2, -0.7]$, $B \in [-1.88, -0.07]$, and $C \in [-5.4, -2.1]$

C. $A \in [-2.2, -0.7]$, $B \in [-0.22, 1.59]$, and $C \in [-0.1, 4.9]$

D. $A \in [1.5, 3.7]$, $B \in [1.58, 3.46]$, and $C \in [4.3, 6.1]$

E. $A \in [-5.2, -2.1]$, $B \in [1.58, 3.46]$, and $C \in [4.3, 6.1]$

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2. 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.

Perpendicular to $5x + 3y = 5$ and passing through the point $(5, 7)$.

A. $m \in [1.6, 2]$ $b \in [3.9, 4.5]$

B. $m \in [0.4, 1.2]$ $b \in [-5.3, -3.2]$

C. $m \in [0.4, 1.2]$ $b \in [1.3, 3.6]$

D. $m \in [0.4, 1.2]$ $b \in [3.9, 4.5]$

E. $m \in [-1.5, 0.3]$ $b \in [8.9, 12.8]$

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55. 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.

$$(8, -2) \text{ and } (-6, 9)$$

A. $m \in [-0.9, 0.4]$ $b \in [14.92, 17.03]$

B. $m \in [-0.9, 0.4]$ $b \in [-11.58, -9.33]$

C. $m \in [0, 1.8]$ $b \in [12.58, 13.92]$

D. $m \in [-0.9, 0.4]$ $b \in [4.23, 5.66]$

E. $m \in [-0.9, 0.4]$ $b \in [-4.59, -2.91]$

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

$$-14(-12x + 5) = -15(9x + 11)$$

A. $x \in [1.6, 1.63]$

B. $x \in [-5.13, -5.1]$

C. $x \in [-0.02, 0.02]$

D. $x \in [-0.06, -0.04]$

E. There are no real solutions.

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

$$\frac{-8x - 8}{5} - \frac{-6x - 7}{2} = \frac{8x - 9}{7}$$

A. $x \in [11.83, 15.83]$

B. $x \in [-32.11, -30.11]$

C. $x \in [-3.68, 2.32]$

D. $x \in [-16.39, -9.39]$

E. There are no real solutions.
