6. 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.

$$(-4, 4) \text{ and } (-2, 3)$$

$m = \boxed{}$ $b = \boxed{}$

A. $m \in [-0.7, 0.4]$ and $b \in [0.6, 2.5]$

B. $m \in [-3, 3]$ and $b \in [-2.8, -1.6]$

C. $m \in [-6, 2]$ and $b \in [7.9, 9]$

D. $m \in [-1, 1]$ and $b \in [4.5, 5.6]$

E. $m \in [-0.1, 1.1]$ and $b \in [2.5, 4.5]$

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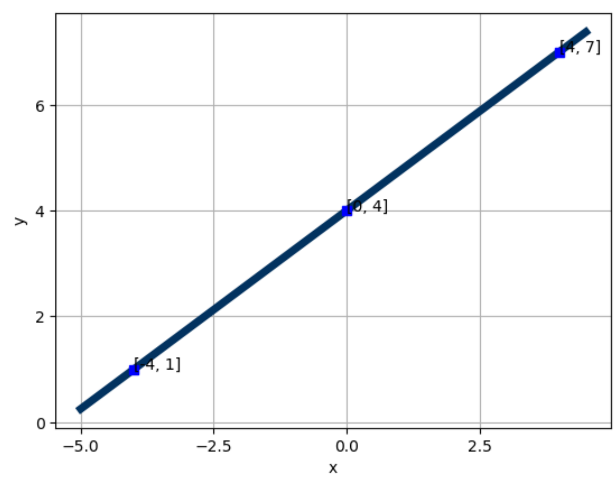
7. Write the equation of the line in the graph below in the form $Ax + By = C$. Then, choose the intervals that contain $A, B,$ and C.



$A = \boxed{}$ $B = \boxed{}$ $C = \boxed{}$

A. $A \in [2.45, 2.68], \quad B \in [-1.23, -0.31], \text{ and } \quad C \in [-10, -2]$

B. $A \in [3.18, 6.23], \quad B \in [-2.09, -1.58], \text{ and } \quad C \in [-10, -2]$

C. $A \in [0.94, 2.29], \quad B \in [4.55, 5.12], \text{ and } \quad C \in [11, 18]$

D. $A \in [0.13, 1.05], \quad B \in [0.64, 1.16], \text{ and } \quad C \in [-5, 5]$

E. $A \in [-4.35, 0.1], \quad B \in [-5.07, -4.84], \text{ and } \quad C \in [-17, -11]$

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8. 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 $3x + 7y = 15$ and passing through the point $(9, -3)$.

$m = \boxed{}$ $b = \boxed{}$

A. $m \in [1.7, 2.6]$ and $b \in [-25, -22]$

B. $m \in [1, 3]$ and $b \in [23, 26]$

C. $m \in [-0.3, 0.5]$ and $b \in [-26, -22]$

D. $m \in [2, 4]$ and $b \in [-3, 2]$

E. $m \in [-2.4, -1.5]$ and $b \in [17, 19]$

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

$$-6(-3x + 11) = -9(-8x - 10)$$

$x = \boxed{}$

A. $x \in [-0.17, 0.54]$

B. $x \in [-2.37, -1.52]$

C. $x \in [-3.55, -2.17]$

D. $x \in [-0.4, -0.04]$

E. There are no Real solutions.

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

$$\frac{-3x - 8}{6} - \frac{4x + 4}{2} = \frac{-8x - 3}{5}$$

$x = \boxed{}$

A. $x \in [-10.1, -9.2]$

B. $x \in [-3.4, -2.1]$

C. $x \in [2.4, 4.6]$

D. $x \in [0.1, 2.5]$

E. There are no Real solutions.
