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.

$$(-7, 3) \text{ and } (-2, -7)$$

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

A. $m \in [1, 3]$ and $b \in [-3.21, -2.7]$

B. $m \in [-8, 1]$ and $b \in [-5.28, -3.9]$

C. $m \in [-6, 1]$ and $b \in [-11.71, -10.56]$

D. $m \in [-6, 0]$ and $b \in [9.47, 10.6]$

E. $m \in [-5, 0]$ and $b \in [10.75, 11.35]$

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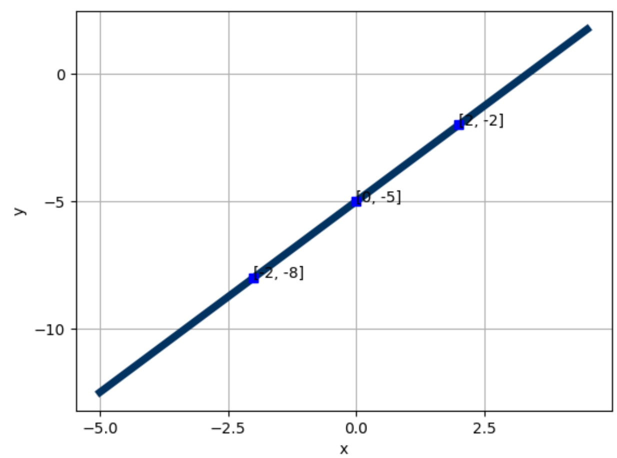
7. Write the equation of the line in the graph below in the form $Ax + By = C$. Then, choose the intervals that contain $A, B,$ and C.



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

A. $A \in [0.81, 1.94]$, $\quad B \in [-1.54, -0.08]$, and $\quad C \in [4.1, 8]$

B. $A \in [-0.92, 1.2]$, $\quad B \in [0.72, 1.14]$, and $\quad C \in [-18.2, -13.1]$

C. $A \in [-3.2, -2.25]$, $\quad B \in [1.34, 2.4]$, and $\quad C \in [-10.6, -6.2]$

D. $A \in [1.84, 2.89]$, $\quad B \in [2.71, 3.29]$, and $\quad C \in [-18.2, -13.1]$

E. $A \in [2.99, 3.88]$, $\quad B \in [-2.12, -1.25]$, and $\quad C \in [6.1, 13.3]$

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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 $7x + 4y = 4$ and passing through the point $(-2, 5)$.

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

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

B. $m \in [-1, -0.1]$ and $b \in [3, 6]$

C. $m \in [-0.2, 1.3]$ and $b \in [4, 8]$

D. $m \in [1.6, 2.2]$ and $b \in [4, 8]$

E. $m \in [0, 3]$ and $b \in [-8, -3]$

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

$$-12(-14x - 2) = -15(-6x + 8)$$

$x = \boxed{}$

A. $x \in [0.37, 0.53]$

B. $x \in [0.44, 0.57]$

C. $x \in [-1.96, -1.79]$

D. $x \in [0.93, 1.38]$

E. There are no Real solutions.

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

$$\frac{6x + 7}{5} - \frac{8x - 7}{4} = \frac{-6x - 8}{3}$$

$x = \boxed{}$

A. $x \in [-5.67, -3.51]$

B. $x \in [-2.09, -1.65]$

C. $x \in [-18.72, -17.11]$

D. $x \in [-1.92, -1.2]$

E. There are no Real solutions.
