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

$$\frac{-5x-8}{4} - \frac{-3x+9}{2} = \frac{5x+9}{8}$$

A. $x \in [-70, -67]$

B. $x \in [2, 6]$

C. $x \in [-5, 1]$

D. $x \in [-21, -18]$

E. There are no Real solutions.

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

$$-5(-4x-7) = -12(9-13x)$$

A. $x \in [-0.54, -0.47]$

B. $x \in [0.69, 1]$

C. $x \in [-1.07, -0.77]$

D. $x \in [0.96, 1.14]$

E. There are no Real solutions.

8. 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.

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

A. $m \in [0, 2]$ and $b \in [-1.9, -0.5]$

B. $m \in [-5, 4]$ and $b \in [0.7, 2.9]$

C. $m \in [-2, 2]$ and $b \in [0.7, 2.9]$

D. $m \in [-3, 1]$ and $b \in [-0.5, 0.4]$

E. $m \in [-1, 0]$ and $b \in [-3.3, -2.3]$

9. 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.
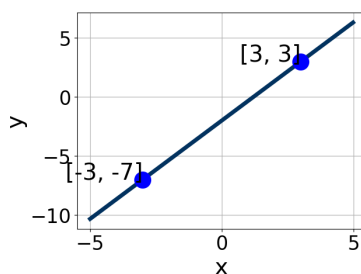
A. $A \in [2.46, 3.41], \quad B \in [4.71, 5.78], \text{ and } \quad C \in [-12.3, -8]$

B. $A \in [-5.43, -3.88]$, $B \in [2.49, 4.65]$, and $C \in [-6.7, -4.9]$

C. $A \in [4.49, 5.41]$, $B \in [-3.99, -1.54]$, and $C \in [3.8, 9.5]$

D. $A \in [0.31, 1.32]$, $B \in [-1.66, -0.99]$, and $C \in [-0.6, 2.9]$

E. $A \in [-1.38, 0.03]$, $B \in [-0.06, 1.24]$, and $C \in [-12.3, -8]$

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10. 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 $5x + 4y = 6$ and passing through the point $(-10, -7)$.

A. $m \in [-0.97, -0.43]$ and $b \in [-15.4, -14.4]$

B. $m \in [1.03, 1.53]$ and $b \in [-3, 2]$

C. $m \in [0.79, 0.88]$ and $b \in [0.5, 1.4]$

D. $m \in [0, 2]$ and $b \in [-0.2, 0.6]$

E. $m \in [0, 4]$ and $b \in [-1.2, -0.4]$