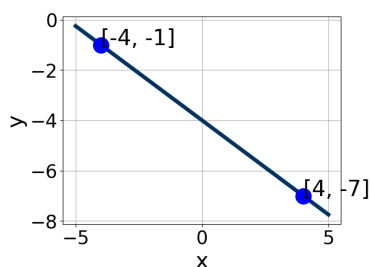6. Solve the linear equation below. Then, choose the interval that contains the solution.

$$\frac{-4x+7}{5} - \frac{-7x-9}{6} = \frac{5x-5}{8}$$

A. $x \in [80.97, 81.48]$

B. $x \in [1.81, 2.43]$

C. $x \in [12.74, 14.11]$

D. $x \in [0.84, 1.88]$

E. There are no Real solutions.

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7. 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 [0.63, 1.36],\quad B \in [-1.01, -0.12],\ $ and $\ C \in [9, 13]$

B. $A \in [2.72, 3.64],\quad B \in [3.43, 5.12],\ $ and $\ C \in [-17, -12]$

C. $A \in [-0.08, 0.12],\quad B \in [-0.24, 1.63],\ $ and $\ C \in [-9, -2]$

D. $A \in [3.97, 4.64],\quad B \in [-3.21, -2.83],\ $ and $\ C \in [9, 13]$

E. $A \in [-3.08, -2.75],\quad B \in [-4.7, -3.48],\ $ and $\ C \in [14, 19]$

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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 $5x + 8y = 5$ and passing through the point $(-4, -8)$.

A. $m \in [1, 4]$ and $b \in [0.7, 1.9]$

B. $m \in [0.14, 0.91]$ and $b \in [-4, 0]$

C. $m \in [-2.07, -1.05]$ and $b \in [-14.7, -13.5]$

D. $m \in [1.27, 1.7]$ and $b \in [-2.9, -1.5]$

E. $m \in [0, 2]$ and $b \in [-1.4, 0.7]$

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

$$-13(11x + 5) = -8(15 - 12x)$$

A. $x \in [-0.39, -0.17]$

B. $x \in [0.11, 0.49]$

C. $x \in [-0.9, -0.71]$

D. $x \in [-1.21, -1.12]$

E. There are no Real solutions.

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10. 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.

$$(6, -9) \text{ and } (2, 4)$$

A. $m \in [-7, 0]$ and $b \in [-12, -9]$

B. $m \in [0, 6]$ and $b \in [-5, 0]$

C. $m \in [-6, 0]$ and $b \in [8, 16]$

D. $m \in [-6, -2]$ and $b \in [-17, -14]$

E. $m \in [-5, -2]$ and $b \in [-2, 5]$