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

$$-16(19x - 2) = -3(4x - 9)$$

A. $x \in [-14.19, -12.89]$

B. $x \in [16.33, 16.65]$

C. $x \in [6.17, 6.96]$

D. $x \in [7.31, 8.38]$

E. There are no real solutions.

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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.

Parallel to $7x + 5y = 14$ and passing through the point $(-6, 10)$.

A. $m \in [-1.56, -1]$ $b \in [14, 18]$

B. $m \in [1.39, 2.21]$ $b \in [18, 19]$

C. $m \in [-1.19, -0.06]$ $b \in [-1, 7]$

D. $m \in [-1.56, -1]$ $b \in [-3, -1]$

E. $m \in [-1.56, -1]$ $b \in [-1, 7]$

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3. 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.

$(-4, -10)$ and $(6, -2)$

A. $m \in [0.2, 1.8]$ $b \in [-9.42, -7.39]$

B. $m \in [0.2, 1.8]$ $b \in [5.8, 7.28]$

C. $m \in [0.2, 1.8]$ $b \in [-6.02, -5.81]$

D. $m \in [0.2, 1.8]$ $b \in [-6.95, -6.75]$

E. $m \in [-1.2, -0.4]$ $b \in [0.63, 2.96]$

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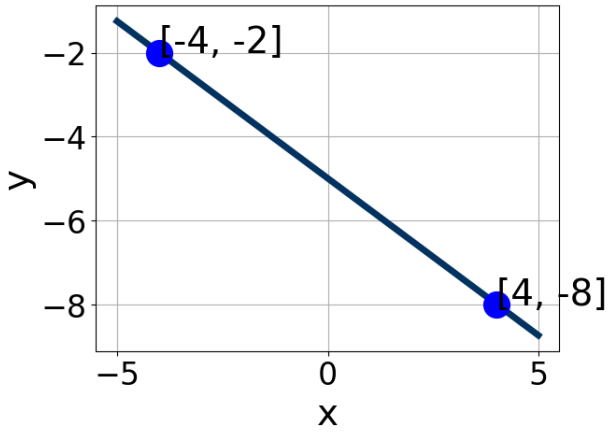
4. Write the equation of the line in the graph below in Standard form $Ax + By = C$. Then, choose the intervals that contain $A, B,$ and C.



A. $A \in [2.5, 6.2]$, $B \in [3, 4.1]$, and $C \in [-24, -18]$

B. $A \in [0.1, 2.1]$, $B \in [-0.1, 3.3]$, and $C \in [-9, -2]$

C. $A \in [-4.2, -0.2]$, $B \in [-4.9, -3.1]$, and $C \in [16, 25]$

D. $A \in [2.5, 6.2]$, $B \in [-4.9, -3.1]$, and $C \in [16, 25]$

E. $A \in [0.1, 2.1]$, $B \in [-2.4, 0.6]$, and $C \in [2, 8]$

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

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

A. $x \in [4.4, 6]$

B. $x \in [3.1, 3.8]$

C. $x \in [8.7, 10.9]$

D. $x \in [-1.6, 0.9]$

E. There are no real solutions.
