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

$$\frac{-9x-7}{4} - \frac{-3x-6}{8} = \frac{-3x+5}{2}$$

A. $x \in [-9.6, -9]$

B. $x \in [-2.2, -0.8]$

C. $x \in [-18.9, -15.7]$

D. $x \in [-14, -11.4]$

E. There are no Real solutions.

---

7. 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 $8x + 5y = 10$ and passing through the point $(10, 6)$.

A. $m \in [-0.1, 1.7]$ and $b \in [-13, -9]$

B. $m \in [-1.7, -1]$ and $b \in [19, 24]$

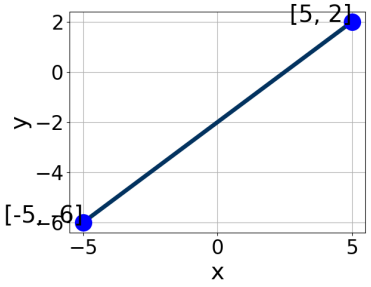
C. $m \in [-2, 1]$ and $b \in [-3, 1]$

D. $m \in [-2, 1]$ and $b \in [-23, -21]$

E. $m \in [-0.9, 0.2]$ and $b \in [19, 25]$

---

8. 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. $A \in [3.44, 4.61]$, $B \in [-6.37, -3.29]$, and $C \in [9.7, 13.4]$

B. $A \in [4.63, 5.14]$, $B \in [1.46, 4.83]$, and $C \in [-8.1, -5.5]$

C. $A \in [-4.47, -2.22]$, $B \in [4.63, 6.56]$, and $C \in [-11.7, -9.9]$

D. $A \in [0.36, 1.37]$, $B \in [0.32, 1.27]$, and $C \in [-8.1, -5.5]$

E. $A \in [-0.95, 0.14]$, $B \in [0.32, 1.27]$, and $C \in [-4.4, -0.3]$

---

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

$$-6(14x - 10) = -15(4 - 11x)$$

A. $x \in [-0.16, 0.38]$

B. $x \in [0.31, 0.74]$

C. $x \in [1.27, 1.64]$

D. $x \in [-0.9, -0.48]$

E. There are no Real solutions.

---

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.

$$(2, -8) \text{ and } (-2, -6)$$

A. $m \in [-4, 3]$ and $b \in [-10.3, -8.3]$

B. $m \in [-0.55, -0.14]$ and $b \in [-7.2, -5.8]$

C. $m \in [0.28, 1.08]$ and $b \in [-5.6, -4.5]$

D. $m \in [-2, 0]$ and $b \in [6.9, 7.2]$

E. $m \in [-2, 2]$ and $b \in [-4.2, -3]$
