1. 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 $8x + 7y = 4$ and passing through the point $(-10, -10)$.

   A. $m \in [-2.13, -0.99]$ $b \in [21.37, 22.44]$

   B. $m \in [-1.04, 0.25]$ $b \in [-21.6, -19.86]$

   C. $m \in [0.9, 1.41]$ $b \in [0.01, 1.59]$

   D. $m \in [-2.13, -0.99]$ $b \in [-1.13, 1.27]$

   E. $m \in [-2.13, -0.99]$ $b \in [-21.6, -19.86]$

---

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

$$-9(-6x - 5) = -8(14x + 13)$$

   A. $x \in [-1.28, -0.99]$

   B. $x \in [-0.9, -0.79]$

   C. $x \in [-0.52, -0.32]$

   D. $x \in [0.28, 0.47]$

   E. There are no real solutions.

---

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

$$-4(11x - 19) = -2(12x - 10)$$

   A. $x \in [-6.8, -1.8]$

   B. $x \in [3.8, 6.8]$

   C. $x \in [-2.59, 2.41]$

   D. $x \in [1.8, 3.8]$

   E. There are no real solutions.

---

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

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

A. $x \in [720, 721]$

B. $x \in [21, 23]$

C. $x \in [140, 142]$

D. $x \in [-4.78, 1.22]$

E. There are no real solutions.

---

5. 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.

$$(-11, -4) \text{ and } (-6, -10)$$

A. $m \in [1.2, 2.2] \quad b \in [-3.1, -2.1]$

B. $m \in [-4.2, -0.2] \quad b \in [-7.2, -3.8]$

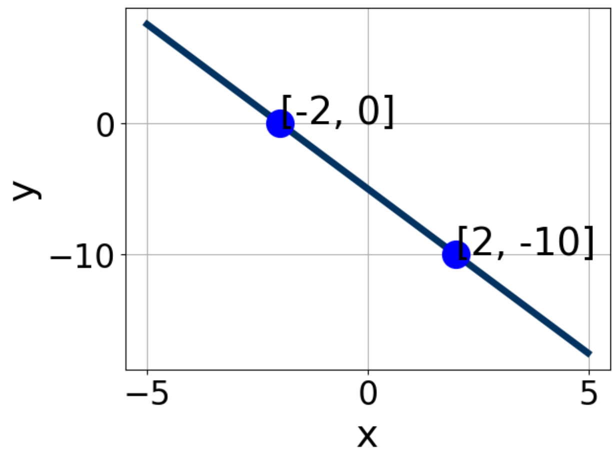
C. $m \in [-4.2, -0.2] \quad b \in [6.3, 10.3]$

D. $m \in [-4.2, -0.2] \quad b \in [16.5, 21.3]$

E. $m \in [-4.2, -0.2] \quad b \in [-18.1, -16.1]$

---

6. 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. $A \in [1.2, 4.7], \quad B \in [-1.7, -0.31], \text{ and } \quad C \in [3, 6]$

B. $A \in [-8, -4.2], \quad B \in [-2.07, -1.25], \text{ and } \quad C \in [7, 13]$

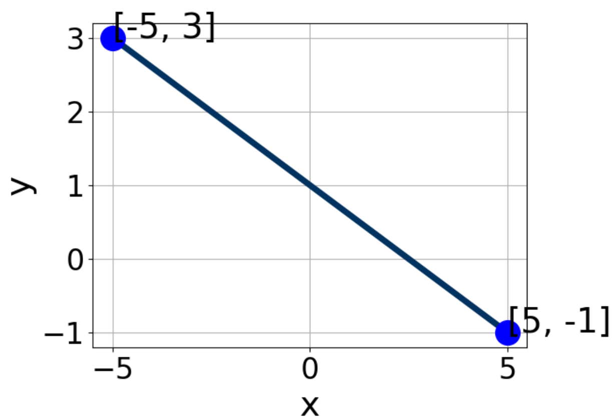
C. $A \in [1.2, 4.7], \quad B \in [0.3, 1.2], \text{ and } \quad C \in [-8, 0]$

D. $A \in [2.9, 5.4], \quad B \in [1.53, 2.46], \text{ and } \quad C \in [-11, -9]$

E. $A \in [2.9, 5.4], \quad B \in [-2.07, -1.25], \text{ and } \quad C \in [7, 13]$

---

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. $A \in [-3.2, -1.62], \quad B \in [-6.4, -3], \text{ and } \quad C \in [-5.2, -3.1]$

B. $A \in [1.66, 2.77], \quad B \in [-6.4, -3], \text{ and } \quad C \in [-5.2, -3.1]$

C. $A \in [1.66, 2.77], \quad B \in [3.1, 6.8], \text{ and } \quad C \in [3.7, 8.7]$

D. $A \in [-1.47, 0.43], \quad B \in [0.9, 1.2], \text{ and } \quad C \in [-0.1, 1.4]$

E. $A \in [-1.47, 0.43]$, $B \in [-1.1, -0.9]$, and $C \in [-1.3, 0.2]$

---

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.

$$(4, 10) \text{ and } (-9, 2)$$

A. $m \in [0.43, 1.79]$ $b \in [3, 7]$

B. $m \in [0.43, 1.79]$ $b \in [6.54, 9.54]$

C. $m \in [0.43, 1.79]$ $b \in [10, 20]$

D. $m \in [0.43, 1.79]$ $b \in [-11.54, -6.54]$

E. $m \in [-2.34, 0.24]$ $b \in [-3.54, 3.46]$

---

9. 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 $3x + 8y = 8$ and passing through the point $(3, -2)$.

A. $m \in [-3.19, -2.38]$ $b \in [-2.1, 0.5]$

B. $m \in [-0.22, 0.95]$ $b \in [-4.4, -1.1]$

C. $m \in [-1.02, -0.27]$ $b \in [-2.1, 0.5]$

D. $m \in [-1.02, -0.27]$ $b \in [-0.2, 1.5]$

E. $m \in [-1.02, -0.27]$ $b \in [-6.1, -4.8]$

---

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

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

A. $x \in [27, 32]$

B. $x \in [-9.89, -7.89]$

C. $x \in [-4.39, -0.39]$

D. $x \in [-0.95, 1.05]$

E. There are no real solutions.