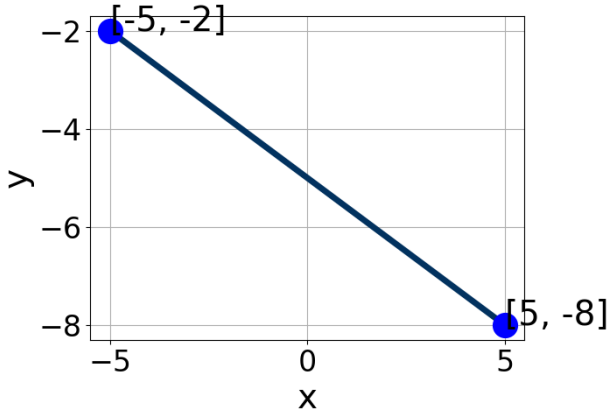
1. Write the equation of the line in the graph below in Standard form $Ax + By = C$. Then, choose the intervals that contain $A, B,$ and C.



A. $A \in [0.2, 1.2]$, $B \in [-4.6, 0.3]$, and $C \in [1, 6]$

B. $A \in [1.5, 4.1]$, $B \in [3.3, 6.4]$, and $C \in [-26, -22]$

C. $A \in [1.5, 4.1]$, $B \in [-5.6, -3.3]$, and $C \in [23, 30]$

D. $A \in [-5.1, 0.1]$, $B \in [-5.6, -3.3]$, and $C \in [23, 30]$

E. $A \in [0.2, 1.2]$, $B \in [0.6, 3.9]$, and $C \in [-8, -1]$

---

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

$$-2(8x + 10) = -15(-16x + 19)$$

A. $x \in [0.84, 1.11]$

B. $x \in [1.17, 1.23]$

C. $x \in [1.24, 1.47]$

D. $x \in [-1.22, -1.11]$

E. There are no real solutions.

---

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

$$-4(-15x + 16) = -3(5x + 13)$$

A. $x \in [1.35, 1.79]$

B. $x \in [1.88, 2.83]$

C. $x \in [-2.09, -0.66]$

D. $x \in [-0.63, 0.39]$

E. There are no real solutions.

---

4. 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 $4x - 7y = 13$ and passing through the point $(-9, -3)$.

A. $m \in [0.79, 2.64]$ $b \in [1.4, 3.2]$

B. $m \in [-0.03, 1.18]$ $b \in [4.8, 6.4]$

C. $m \in [-0.03, 1.18]$ $b \in [-4.2, -1.9]$

D. $m \in [-0.72, 0.26]$ $b \in [-11.3, -6.9]$

E. $m \in [-0.03, 1.18]$ $b \in [1.4, 3.2]$

---

5. 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 $7x - 8y = 8$ and passing through the point $(-9, 7)$.

A. $m \in [-1.52, -1.14]$ $b \in [-4.2, -2.4]$

B. $m \in [0.78, 1.51]$ $b \in [17.1, 17.9]$

C. $m \in [-1.52, -1.14]$ $b \in [14.3, 17]$

D. $m \in [-1.52, -1.14]$ $b \in [3.1, 4.1]$

E. $m \in [-1.03, -0.86]$ $b \in [-4.2, -2.4]$

---

6. 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.

$$(10, -2) \text{ and } (-10, 5)$$

A. $m \in [-1.26, 0.18]$ $b \in [12, 21]$

B. $m \in [0.34, 1.09]$ $b \in [5.5, 9.5]$

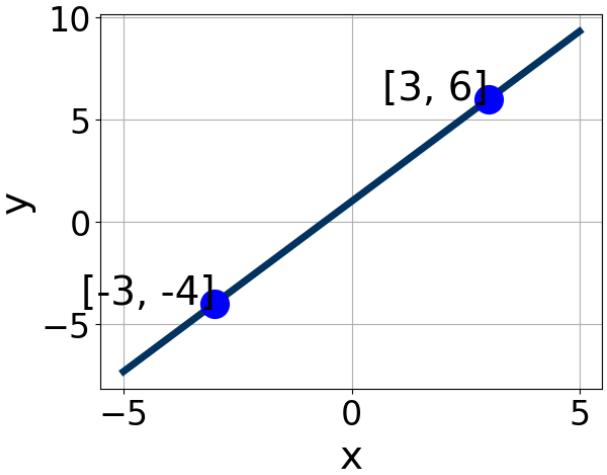
C. $m \in [-1.26, 0.18]$ $b \in [-16, -7]$

D. $m \in [-1.26, 0.18]$ $b \in [-2.5, -0.5]$

E. $m \in [-1.26, 0.18]$ $b \in [-0.5, 3.5]$

---

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. $A \in [4, 11]$, $B \in [2.04, 4.5]$, and $C \in [2.44, 3.39]$

B. $A \in [4, 11]$, $B \in [-3.74, -2.11]$, and $C \in [-5.31, -1.46]$

C. $A \in [-4.67, 1.33]$, $B \in [0.56, 1.52]$, and $C \in [0.6, 1.24]$

D. $A \in [-6, -2]$, $B \in [2.04, 4.5]$, and $C \in [2.44, 3.39]$

E. $A \in [-4.67, 1.33]$, $B \in [-1.1, -0.48]$, and $C \in [-1.62, -0.58]$

---

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

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

A. $x \in [1.18, 2.06]$

B. $x \in [6.93, 7.83]$

C. $x \in [-1.33, -0.38]$

D. $x \in [-1.31, 0.5]$

E. There are no real solutions.

---

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

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

A. $x \in [-1, 0.5]$

B. $x \in [-23.4, -20.9]$

C. $x \in [-5.9, -3.7]$

D. $x \in [-0.6, 2.8]$

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.

$$(10, -7) \text{ and } (11, 9)$$

A. $m \in [-17, -11]$ $b \in [185, 190]$

B. $m \in [16, 22]$ $b \in [162, 169]$

C. $m \in [16, 22]$ $b \in [-172, -159]$

D. $m \in [16, 22]$ $b \in [-20, -10]$

E. $m \in [16, 22]$ $b \in [-4, 1]$