

1. First, find the equation of the line containing the two points below.
Then, write the equation in the form $y = mx + b$.

$$(-7, -2) \text{ and } (-8, -11)$$

2. Find the equation of the line described below. Write the linear equation in the form $y = mx + b$.

Perpendicular to $4x - 9y = 5$ and passing through the point $(7, 4)$.

3. Solve the equation below.

$$-11(7x - 9) = -18(10x - 12)$$

4. First, find the equation of the line containing the two points below. Then, write the equation in the form $y = mx + b$.

$(2, 10)$ and $(7, 11)$

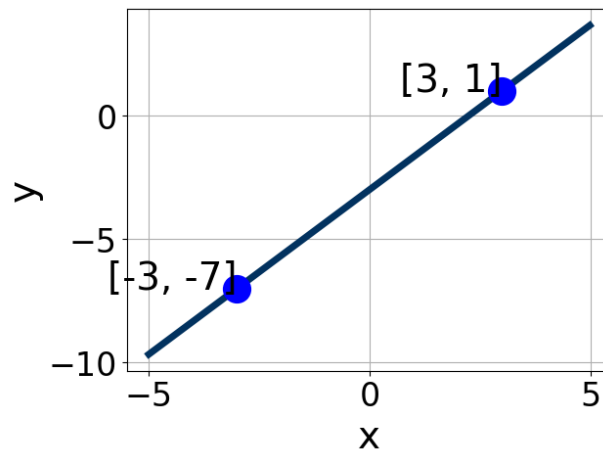
5. Solve the equation below.

$$-10(18x - 13) = -19(-2x - 14)$$

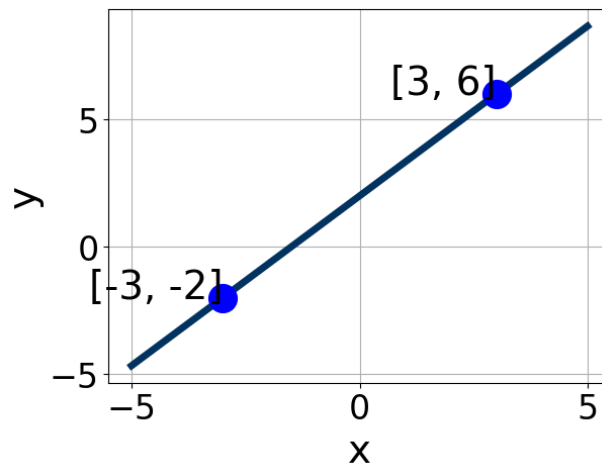
6. Solve the linear equation below.

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

7. Write the equation of the line in the graph below in Standard Form $Ax + By = C$.



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9. Find the equation of the line described below. Write the linear equation in the form $y = mx + b$.

Perpendicular to $6x - 7y = 6$ and passing through the point $(-9, -6)$.

10. Solve the linear equation below.

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

11. First, find the equation of the line containing the two points below. Then, write the equation in the form $y = mx + b$.

$$(-2, 2) \text{ and } (-8, 7)$$

12. Find the equation of the line described below. Write the linear equation in the form $y = mx + b$.

Parallel to $5x + 6y = 11$ and passing through the point $(2, -10)$.

13. Solve the equation below.

$$-10(-6x - 11) = -3(9x - 13)$$

14. First, find the equation of the line containing the two points below.
Then, write the equation in the form $y = mx + b$.

$(-5, 9)$ and $(10, -10)$

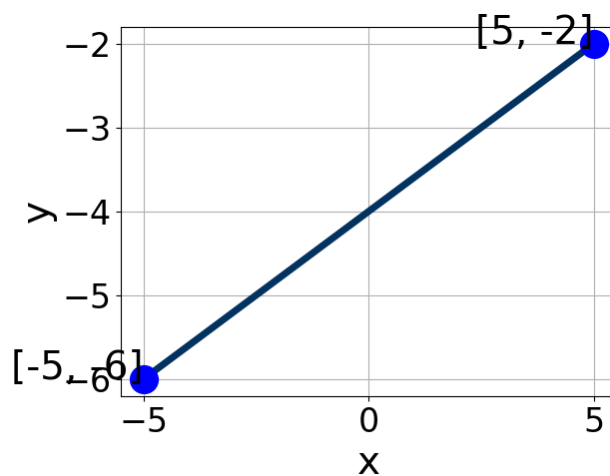
15. Solve the equation below.

$$-19(-13x - 9) = -17(-8x - 14)$$

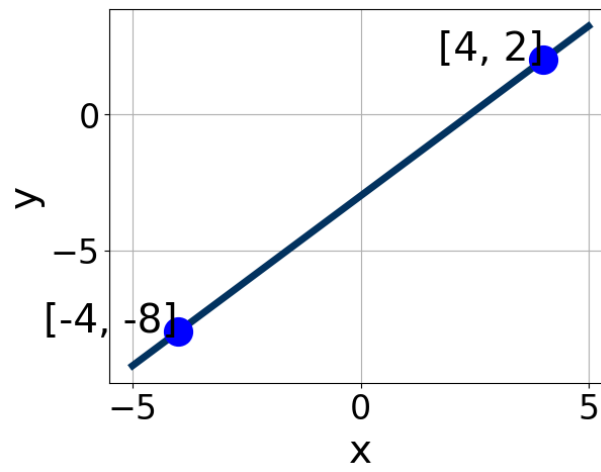
16. Solve the linear equation below.

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

17. Write the equation of the line in the graph below in Standard Form $Ax + By = C$.



18. Write the equation of the line in the graph below in Standard Form $Ax + By = C$.



19. Find the equation of the line described below. Write the linear equation in the form $y = mx + b$.

Perpendicular to $7x - 5y = 14$ and passing through the point $(9, 2)$.

20. Solve the linear equation below.

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

21. First, find the equation of the line containing the two points below. Then, write the equation in the form $y = mx + b$.

$$(-9, 6) \text{ and } (3, 4)$$

22. Find the equation of the line described below. Write the linear equation in the form $y = mx + b$.

Parallel to $5x - 9y = 4$ and passing through the point $(3, 2)$.

23. Solve the equation below.

$$-13(3x + 7) = -15(-9x + 4)$$

24. First, find the equation of the line containing the two points below. Then, write the equation in the form $y = mx + b$.

$(-6, 7)$ and $(8, 9)$

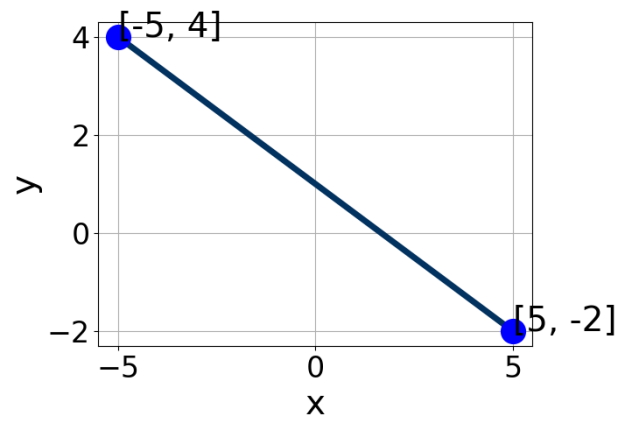
25. Solve the equation below.

$$-15(-2x - 16) = -5(10x + 8)$$

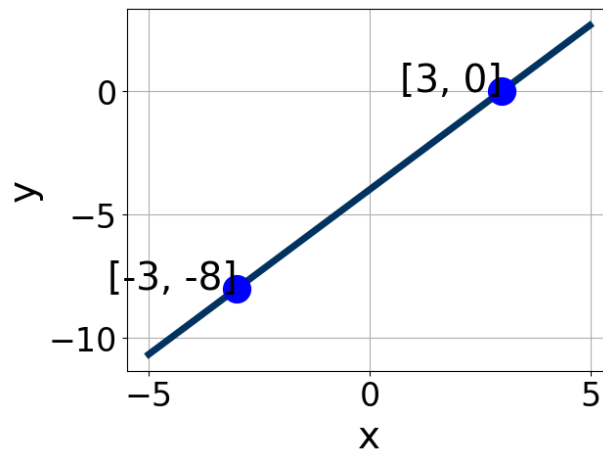
26. Solve the linear equation below.

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

27. Write the equation of the line in the graph below in Standard Form $Ax + By = C$.



28. Write the equation of the line in the graph below in Standard Form $Ax + By = C$.



29. Find the equation of the line described below. Write the linear equation in the form $y = mx + b$.

Perpendicular to $4x + 5y = 7$ and passing through the point $(-5, 10)$.

30. Solve the linear equation below.

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