

Assignment

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Solve each system by substitution.

1) $y = 7x - 20$
 $y = 4x - 11$

2) $y = -3x + 4$
 $y = 5x - 4$

3) $y = 3x - 8$
 $y = 8x - 8$

4) $y = -7x - 6$
 $y = 2x + 12$

5) $y = -3x + 9$
 $y = 6x - 9$

6) $-4x - y = 3$
 $y = -3x - 3$

$$\begin{aligned} 7) \quad & -6x - 8y = -4 \\ & y = -1 \end{aligned}$$

$$\begin{aligned} 8) \quad & 4x + 7y = 23 \\ & y = -8x - 19 \end{aligned}$$

$$\begin{aligned} 9) \quad & y = -2x - 17 \\ & -2x + 3y = 13 \end{aligned}$$

$$\begin{aligned} 10) \quad & y = 4 \\ & -2x - 2y = 8 \end{aligned}$$

$$\begin{aligned} 11) \quad & -4x + y = -4 \\ & 6x - y = 2 \end{aligned}$$

$$\begin{aligned} 12) \quad & -7x + y = -15 \\ & -5x - 2y = 11 \end{aligned}$$

$$\begin{aligned} 13) \quad & -3x - 4y = 13 \\ & x + y = -5 \end{aligned}$$

$$\begin{aligned} 14) \quad & -x - 6y = 14 \\ & x + 3y = -5 \end{aligned}$$

$$\begin{aligned} 15) \quad & -5x + y = 3 \\ & 3x + 2y = 6 \end{aligned}$$

$$\begin{aligned} 16) \quad & -5x - 4y = 22 \\ & 6x + 3y = -21 \end{aligned}$$

$$\begin{aligned} 17) \quad & 6x + 3y = -3 \\ & -3x + 3y = -12 \end{aligned}$$

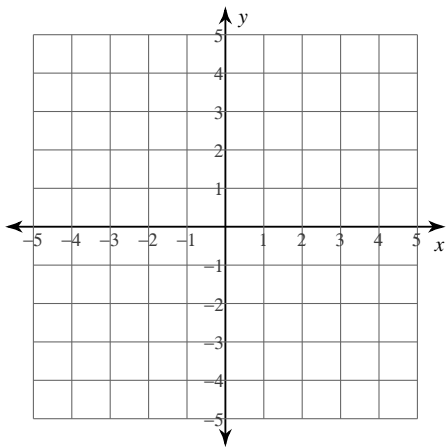
$$\begin{aligned} 18) \quad & -4x + 5y = -12 \\ & 2x - 4y = 12 \end{aligned}$$

$$\begin{aligned} 19) \quad & -2x - 3y = -13 \\ & -7x + 2y = 17 \end{aligned}$$

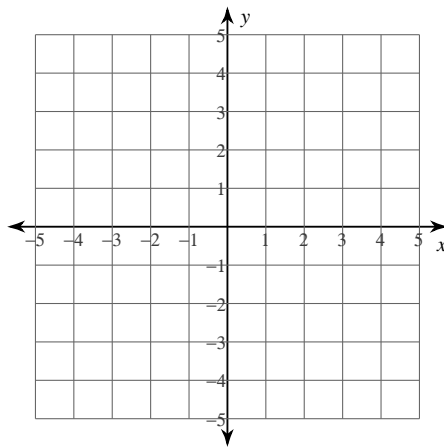
$$\begin{aligned} 20) \quad & -7x - 5y = 24 \\ & 5x + 7y = -24 \end{aligned}$$

Solve each system by graphing.

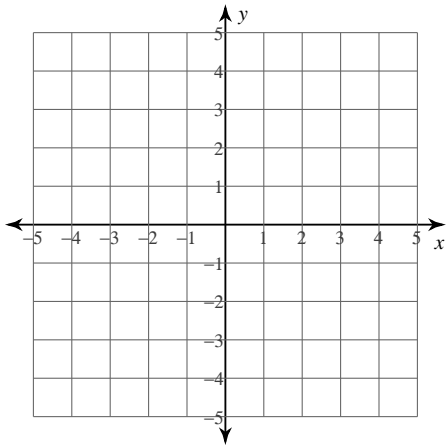
$$\begin{aligned} 21) \quad & y = -x - 4 \\ & y = \frac{4}{3}x + 3 \end{aligned}$$



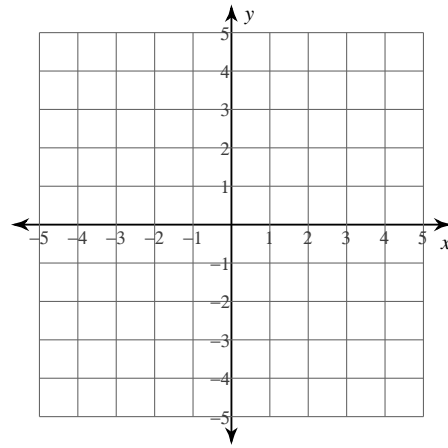
$$\begin{aligned} 22) \quad & y = \frac{1}{2}x + 3 \\ & y = -3x - 4 \end{aligned}$$



$$23) \begin{aligned} 2x - 3y &= 6 \\ 7x - 3y &= -9 \end{aligned}$$

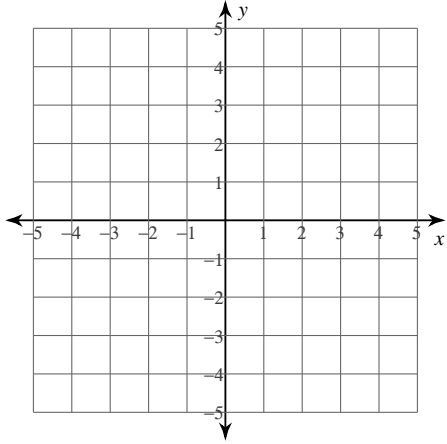


$$24) \begin{aligned} 2x + 3y &= -6 \\ 8x + 3y &= 12 \end{aligned}$$



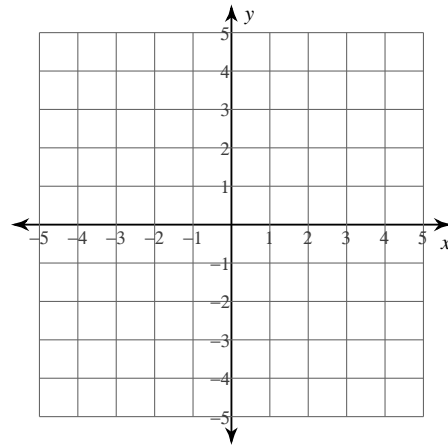
$$25) -y = -2 + \frac{1}{4}x$$

$$-8 - 5x = 4y$$



$$26) y - 1 + 2x = 0$$

$$-2y + x = 8$$



Answers to Assignment (ID: 1)

1) (3, 1)

5) (2, 3)

9) (-8, -1)

13) (-7, 2)

17) (1, -3)

21) (-3, -1)

25) (-4, 3)

2) (1, 1)

6) (0, -3)

10) (-8, 4)

14) (4, -3)

18) (-2, -4)

22) (-2, 2)

26) (2, -3)

3) (0, -8)

7) (2, -1)

11) (-1, -8)

15) (0, 3)

19) (-1, 5)

23) (-3, -4)

4) (-2, 8)

8) (-3, 5)

12) (1, -8)

16) (-2, -3)

20) (-2, -2)

24) (3, -4)