

3.5 - Best Method

Date _____ Period _____

Solve each system by any method.

1)
$$\begin{aligned}x + y &= 1 \\2x - 3y &= 12\end{aligned}$$

- A) (2, 3) B) (-2, 3)
C) (2, -3) D) (3, -2)

2)
$$\begin{aligned}x - 4y &= -16 \\7x + 4y &= -16\end{aligned}$$

- A) (4, 3)
B) (-4, 3)
C) (-4, -3)
D) Infinite number of solutions

3)
$$\begin{aligned}y &= 1 \\2x + 2y &= 6\end{aligned}$$

- A) (2, 1) B) (-1, -8)
C) (1, -8) D) (-8, 1)

4)
$$\begin{aligned}-3x - y &= -22 \\3x + y &= 28\end{aligned}$$

- A) No solution B) (10, 10)
C) (-8, 10) D) (10, 5)

5)
$$\begin{aligned}y &= 4 \\-x - 6y &= -18\end{aligned}$$

- A) (-6, -4) B) (-1, 4)
C) (-2, -1) D) (-6, 4)

6)
$$\begin{aligned}-4x + 5y &= -22 \\y &= 2x - 14\end{aligned}$$

- A) (8, 2) B) (-8, 2)
C) (2, -8) D) (-5, 2)

$$7) \begin{aligned} 4x + 20y &= 8 \\ x - 10y &= -13 \end{aligned}$$

- A) $(-3, 4)$ B) $(4, 4)$
C) $(3, -4)$ D) $(-3, 1)$

$$8) \begin{aligned} -5x - 8y &= -5 \\ -2x - 5y &= -11 \end{aligned}$$

- A) $(-7, 5)$ B) $(-7, -9)$
C) $(-7, 9)$ D) $(-7, 1)$

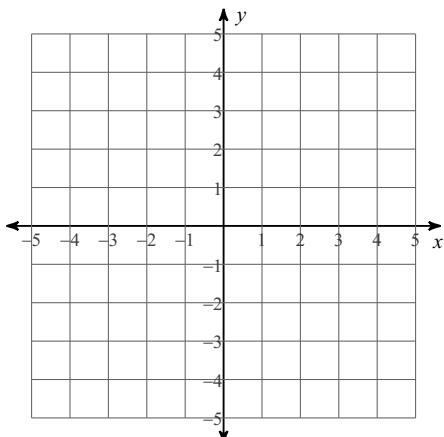
$$9) \begin{aligned} 4x + 7y &= 23 \\ 4x + 4y &= -4 \end{aligned}$$

- A) $(10, -9)$ B) $(-10, 9)$
C) $(-8, -9)$ D) $(-9, -9)$

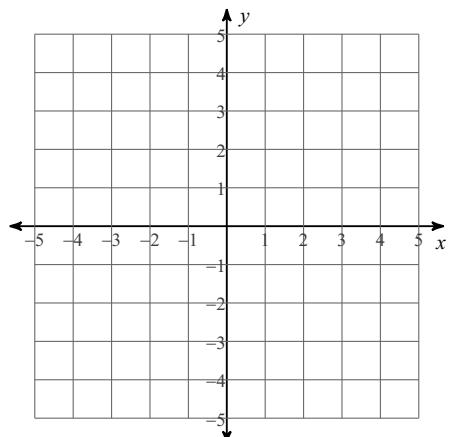
$$10) \begin{aligned} x - 4y &= 9 \\ 5x + 2y &= -21 \end{aligned}$$

- A) $(-3, 3)$ B) $(3, -3)$
C) $(-3, -3)$ D) $(-8, 3)$

$$11) \begin{aligned} y &= 3x + 4 \\ y &= \frac{1}{2}x - 1 \end{aligned}$$

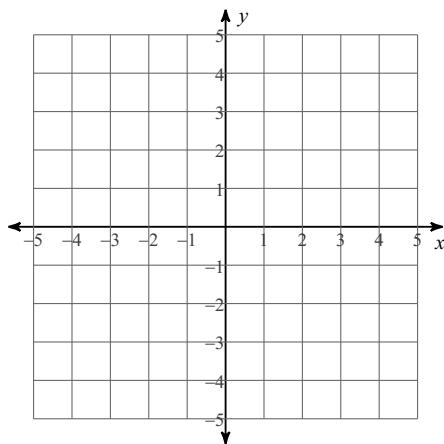


$$12) \begin{aligned} y &= -\frac{3}{2}x - 4 \\ y &= -\frac{3}{2}x + 1 \end{aligned}$$

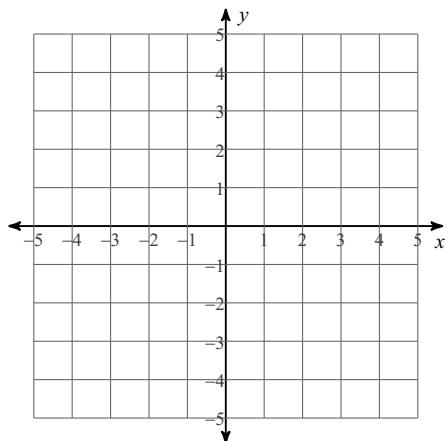


Solve each system by any method. You do not have to use the given graph.

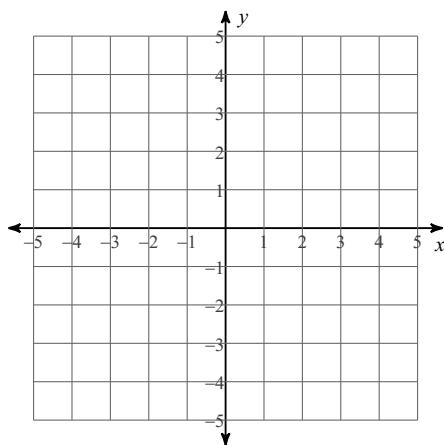
13) $y = 5x + 3$
 $y = -x - 3$



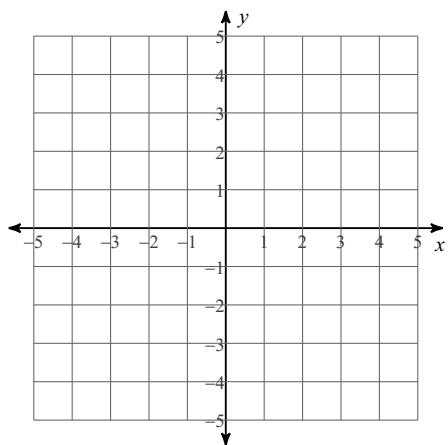
14) $y = -\frac{1}{2}x - 2$
 $y = x + 1$



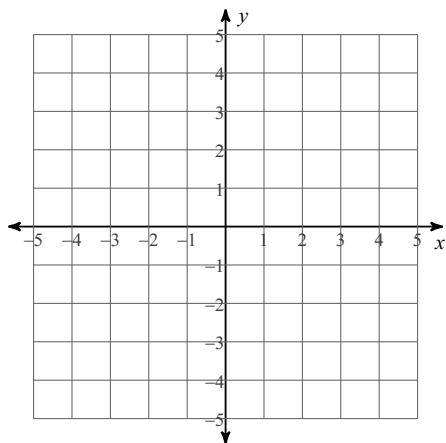
15) $2x + 3y = 6$
 $7x + 3y = -9$



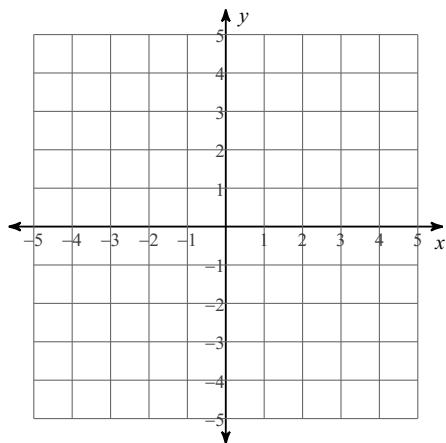
16) $x = -3$
 $x - 3y = -9$



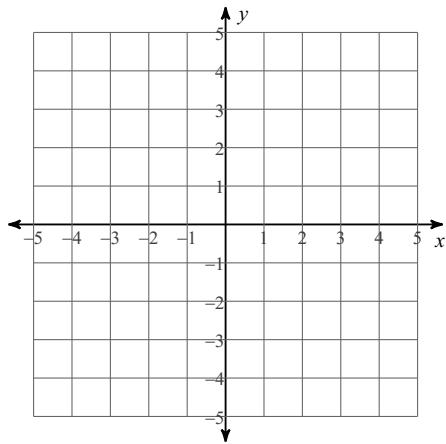
$$17) \begin{aligned}x + 3y &= -9 \\x + 3y &= -12\end{aligned}$$



$$18) \begin{aligned}3x + y &= 2 \\x + 2y &= -6\end{aligned}$$



$$19) \begin{aligned}2x - y &= 1 \\3x + y &= 4\end{aligned}$$



$$20) \begin{aligned}3x + 2y &= -4 \\3x - 2y &= -8\end{aligned}$$

