

3.5 - Best Method

Date _____ Period _____

Solve each system by any method.

1) $x + y = 1$
 $2x - 3y = 12$

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

2) $x - 4y = -16$
 $7x + 4y = -16$

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

3) $y = 1$
 $2x + 2y = 6$

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

4) $-3x - y = -22$
 $3x + y = 28$

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

5) $y = 4$
 $-x - 6y = -18$

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

6) $-4x + 5y = -22$
 $y = 2x - 14$

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

7) $4x + 20y = 8$
 $x - 10y = -13$

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

8) $-5x - 8y = -5$
 $-2x - 5y = -11$

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

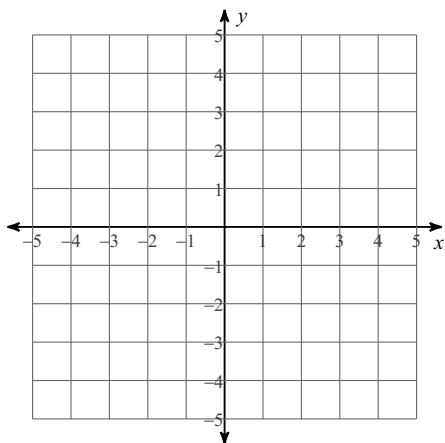
9) $4x + 7y = 23$
 $4x + 4y = -4$

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

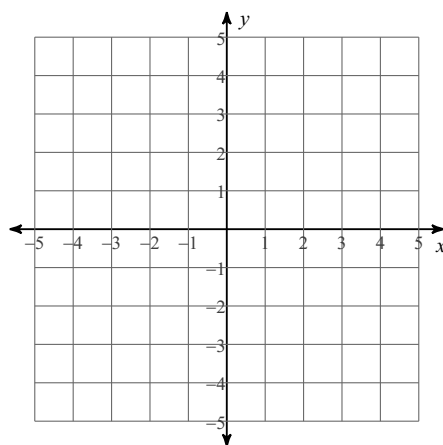
10) $x - 4y = 9$
 $5x + 2y = -21$

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

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

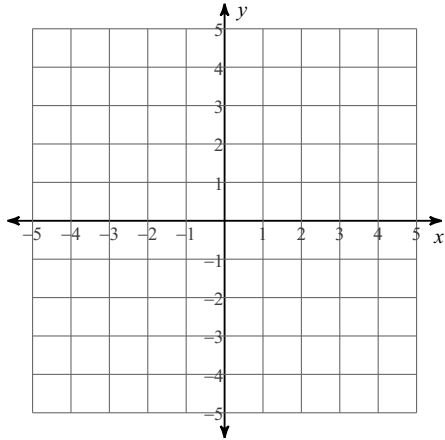


12) $y = -\frac{3}{2}x - 4$
 $y = -\frac{3}{2}x + 1$

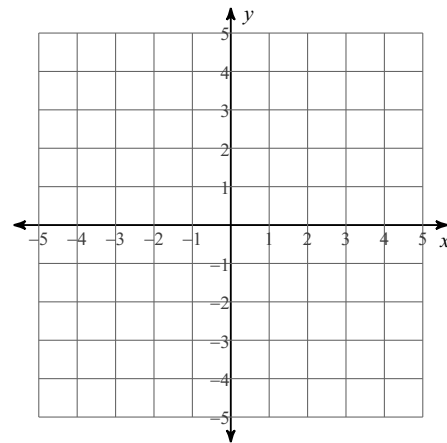


Solve each system by any method. You do not have to use the given graph.

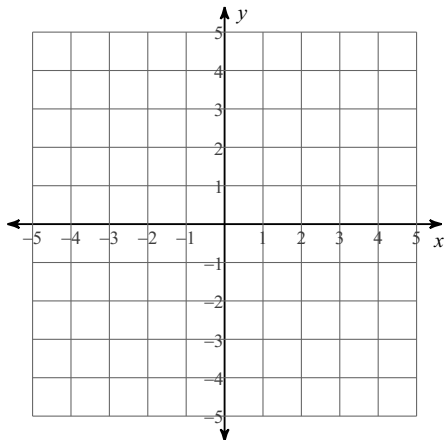
13) $y = 5x + 3$
 $y = -x - 3$



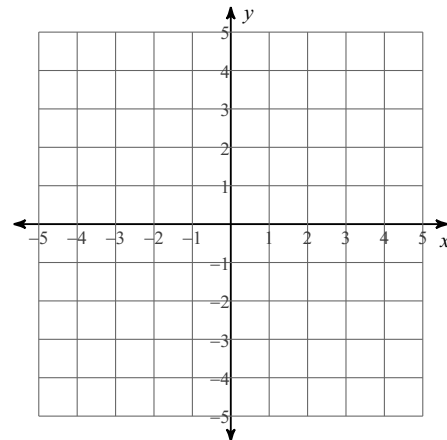
14) $y = -\frac{1}{2}x - 2$
 $y = x + 1$



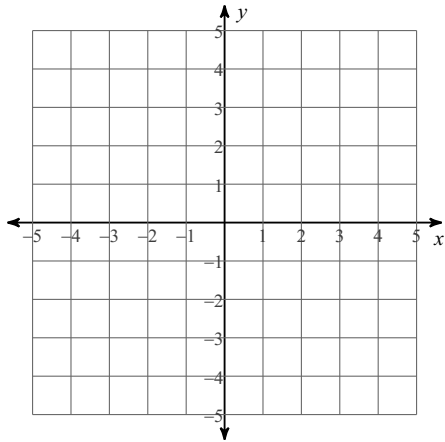
15) $2x + 3y = 6$
 $7x + 3y = -9$



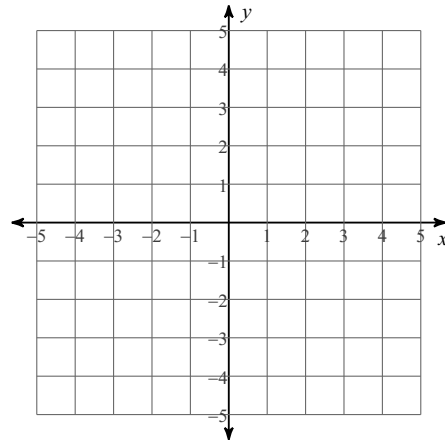
16) $x = -3$
 $x - 3y = -9$



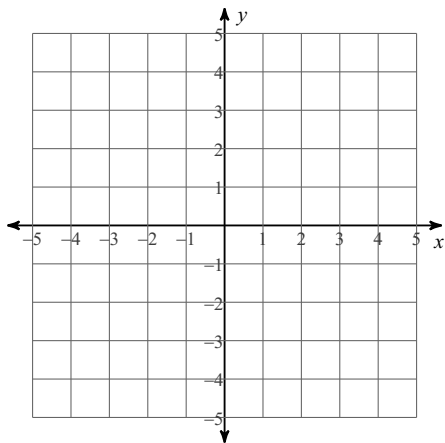
17) $x + 3y = -9$
 $x + 3y = -12$



18) $3x + y = 2$
 $x + 2y = -6$



19) $2x - y = 1$
 $3x + y = 4$



20) $3x + 2y = -4$
 $3x - 2y = -8$

