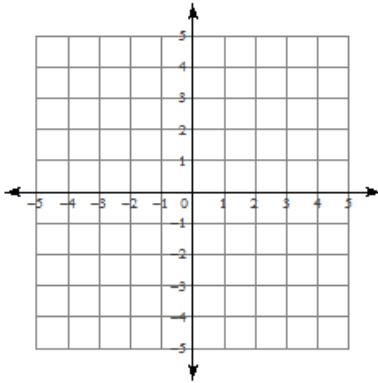


## Assignment

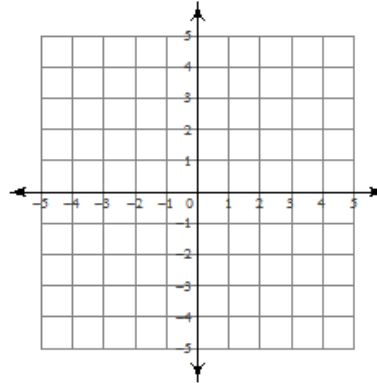
Date \_\_\_\_\_

Solve each system by graphing.

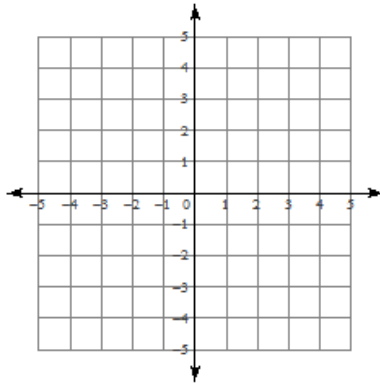
1)  $y = x + 1$   
 $y = -\frac{1}{2}x - 2$



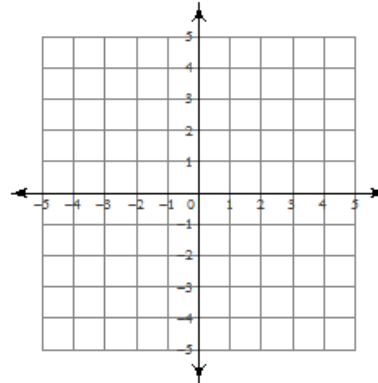
2)  $y = 2x + 4$   
 $y = -\frac{2}{3}x - 4$



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



4)  $5x - 2y = -6$   
 $5x - 2y = -8$



Solve each system by substitution.

5)  $3x + y = 5$   
 $8x + 2y = 12$

7)  $-2x - 4y = -8$   
 $x - 3y = -11$

9)  $x - 2y = -9$   
 $-2x - 5y = 0$

11)  $-5x + 8y = 14$   
 $x + 6y = -18$

6)  $2x - 7y = -12$   
 $-3x + y = -1$

8)  $-6x + 3y = -24$   
 $3x + y = 2$

10)  $6x + 2y = 8$   
 $x - 7y = 16$

12)  $-12x - 3y = 42$   
 $4x + y = -14$

Answers to Assignment (ID: 1)

- |                                  |               |                |                |
|----------------------------------|---------------|----------------|----------------|
| 1) $(-2, -1)$                    | 2) $(-3, -2)$ | 3) $(-1, 2)$   | 4) No solution |
| 5) $(1, 2)$                      | 6) $(1, 2)$   | 7) $(-2, 3)$   | 8) $(2, -4)$   |
| 9) $(-5, 2)$                     | 10) $(2, -2)$ | 11) $(-6, -2)$ |                |
| 12) Infinite number of solutions |               |                |                |