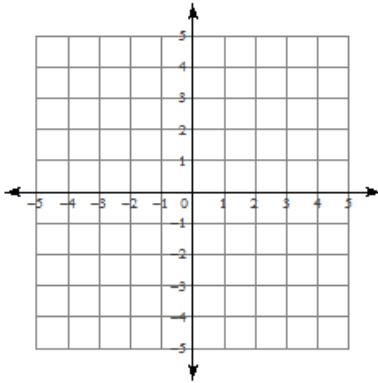


Assignment

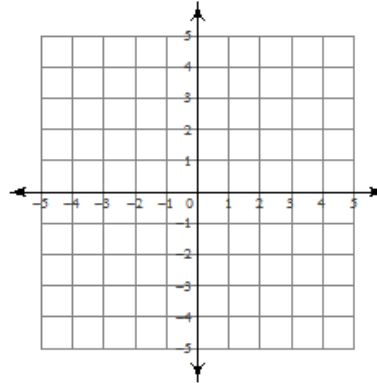
Date _____

Solve each system by graphing.

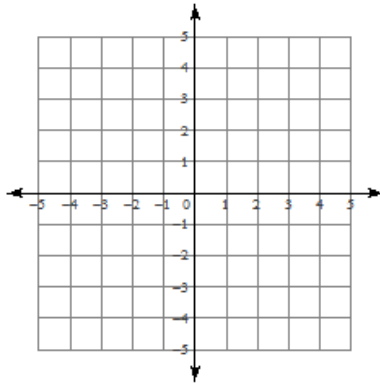
1) $y = x + 1$
 $y = -\frac{1}{2}x - 2$



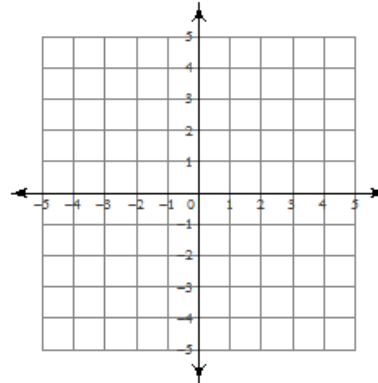
2) $y = 2x + 4$
 $y = -\frac{2}{3}x - 4$



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



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



Solve each system by substitution.

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

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

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

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

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

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

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

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 | | | |