

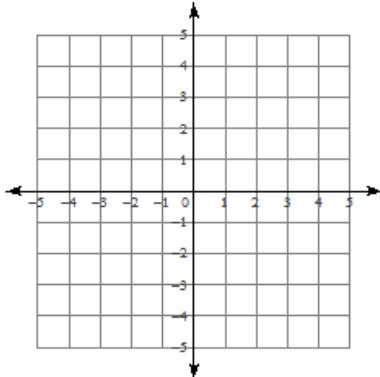
Assignment

Date _____

Solve each system by graphing.

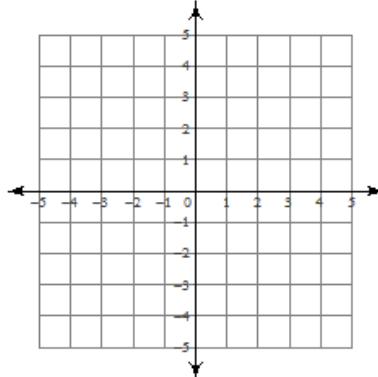
1) $y = x + 1$

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



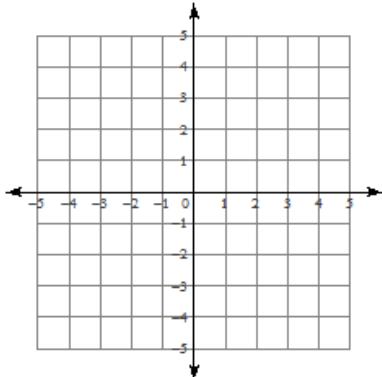
2) $y = 2x + 4$

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



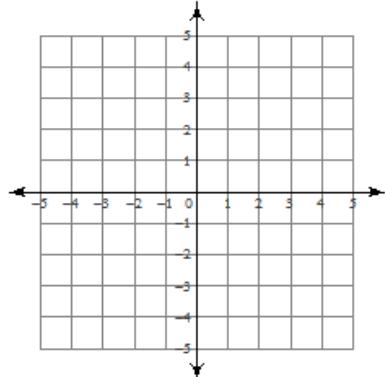
3) $x - y = -3$

$$6x + y = -4$$



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 | | | |