Section 7.1 Worksheet Part 2

Name: _____

Tell whether the ordered pair is a solution of the linear system.

1.) $(1, 1)$

$2x + y = 3$

$x - 2y = -1$

2.) $(4, 1)$

$x - y = 3$

$3x - y = 11$

3.) $(-3, -4)$

$-4x + y = 8$

$5x - 3y = -3$

Use the graph to estimate the solution of the linear system. Check your solution algebraically.
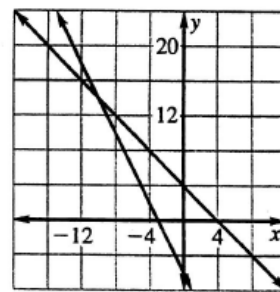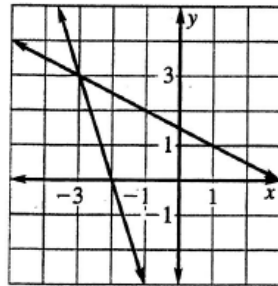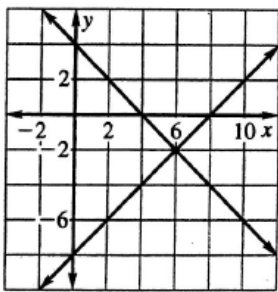
4.) $-x + y = -8$

$\quad x + y = 4$

5.) $3x + y = -6$

$\quad -x - 2y = -3$

6.) $4x + 2y = -12$

$\quad 2x + 2y = 8$

Use the graph to solve the linear system. Check your solution.

10.) $y = x - 2$

$\quad y = -x - 4$
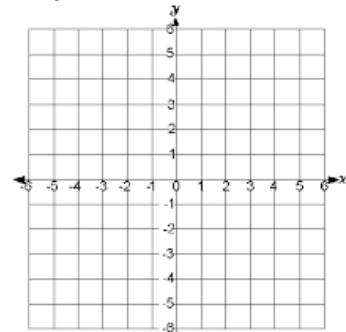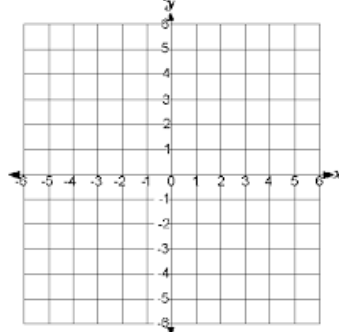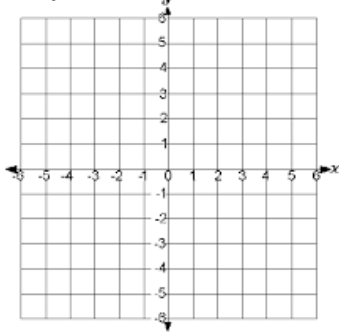
11.) $-3x + y = 6$

$\quad -x + y = -2$

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

$\quad y = x + 4$

13.) A fitness club offers an aerobics class in the morning and in the evening. Assuming that the number of people in each class can be represented by a linear function, use the information in the table to predict when the number of people in each class will be the same.

Class	Current attendance	Increase (people per month)
Morning	40	2
Evening	22	8