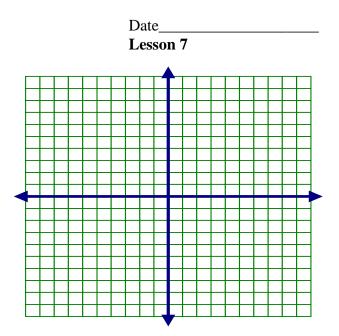
Name_____

Unit 3

DO NOW: Solve the systems of equations graphically.

12y - 4x = 12-3y + 4x = 6



Aim: Solving systems of equations algebraically using the addition/elimination method.

1. Solve the systems of equations algebraically.

$$12y - 4x = 12$$
$$-3y + 4x = 6$$

2. What is the solution of the system of equations below?

$$x + 2y = 7$$
$$-x + 3y = 18$$

3. Solve the systems of equations algebraically.

$$4x + 3y = 27$$
$$-2x + y = -1$$

4. What is the solution of the system of equations below?

$$-3y + 4x = 17$$
$$-5y + 3x = 21$$

PRACTICE PROBLEMS

5. What is the solution of the system of equations below?

2x + 3y = 7x + y = 3

- 1) (1,2)
- 2) (2,1)
- 3) (4,-1)
- 4) (4,1)

6. What is the value of the y-coordinate of the solution to the system of equations 2x + y = 8 and x - 3y = -3?

- 1) -2
- 2) 2
- 3) 3
- 4) -3

7. What is the value of *A* in the following system of equations?

2A + 3W = 126A - 5W = 8

1) 1

2) 2

3) 3

4) 9