QUIZ #1 @ 20 points Section 3.1

1. Decide whether the given pair is a solution of the given equation.

$$2x + y = 5;$$
 (3,-1)

$$x = 3, y = -1$$

- 2(3) + (-1) = 5
- 6-1=5 true, therefore (3,-1) is a solution of the given equation.

2. Complete each table of values and then plot the ordered pairs. Label the axes and the points. Show all work.

$$3x - 4y = 12$$



3. It costs a flat fee of \$20 plus \$5 per day to rent a pressure washer. Therefore, the cost to rent the pressure washer for x days is given by y = 5x + 20, where y is in dollars.

Express as an ordered pair each of the following.

- a) When the washer is rented for 5 days, the cost is \$45.
- b) I paid \$50 when I returned the washer, so I must have rented it for 6 days. (6,50)

(5, 45)

Name: