#### 5.1 and 5.2 Quiz Review

### Cost/Revenue and Break Even Points

Cost/Revenue Tables and Coordinate Points. Complete the table below to find the break even point

$$C = 36x + 200$$

R = 76x

| x | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|
| С |   |   |   |   |   |   |   |
| R |   |   |   |   |   |   |   |

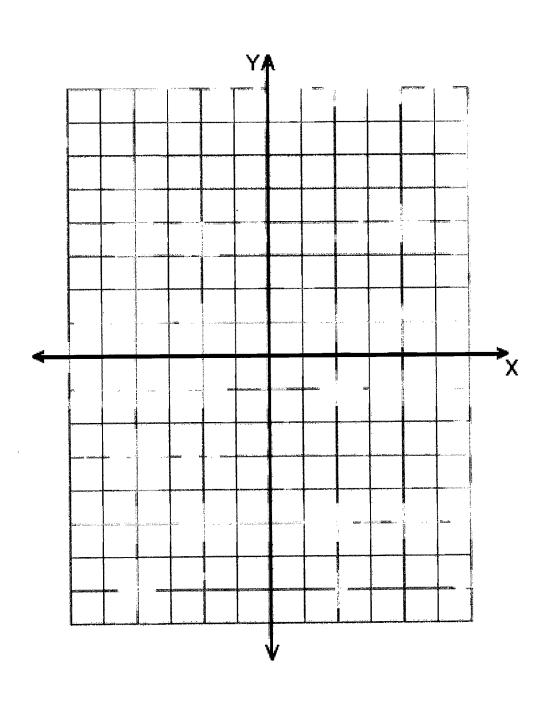
$$C = 25x + 210$$

$$R = 60x$$

| x | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| C |   |   |   |   |   |   |   |   |   |
| R |   |   |   |   |   |   |   |   |   |

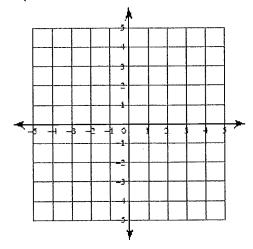
Solve The system of equations with a Graph

$$y = 6x - 3$$
$$-4x + y = -1$$



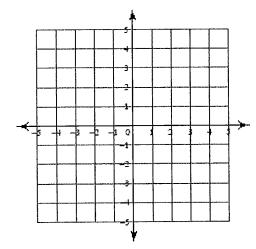
Solve each system by graphing.

1) 
$$y = x - 1$$
  
 $y = -2x - 4$ 

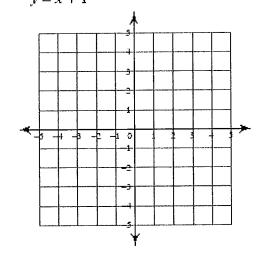


3) 
$$y = -\frac{1}{2}x + 2$$

$$y = \frac{5}{2}x - 4$$

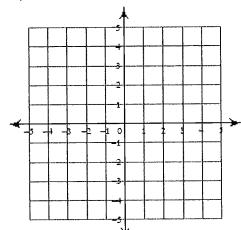


2) 
$$y = -2x + 4$$
  
 $y = x + 1$ 



4) 
$$y = -\frac{1}{3}x + 3$$

$$y = -2x - 2$$



### **Solve with Substitution**

Easy

$$y = -x - 1$$
$$2x + y = 1$$

Solution \_\_\_\_\_

Check 1<sup>st</sup> equation

### **Solve with Substitution**

$$y = -3x + 7$$
$$-4x - 2y = -8$$

Solution \_\_\_\_\_

Check 1<sup>st</sup> equation

## Re-Write an equation First

$$7x - 2y = 5$$
$$2y - 4x = -8$$

Solution \_\_\_\_\_

Check 1<sup>st</sup> equation

# Re-Write an equation First

| x + | 7y = - | 14   |
|-----|--------|------|
| -3x | +8v=   | = 13 |

Solution \_\_\_\_\_

Check 1<sup>st</sup> equation