3.4-3.6 Linear Systems Quiz

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Block:\_\_\_\_\_\_\_\_

1.) Solve the System. 2.) Represent the following with a matrix.

3.) What is the element . 4.) Solve the System Using a Matrix in   
 Problem #2 (above).

5.) A pizza shop makes $1.50 on each small pizza and $2.15 on each large pizza. On a typical Friday, it sells between 70 and 90 small pizzas and between 100 and 140 large pizzas. The shop can make no more than 210 pizzas each day. How many of each size must be sold to maximize profit?

1. ( 8,-4, 2)
2. 9
3. (70, 140) or 70 small and 140 large for a max profit of $406.00

Hint on #5:

Graph these and get the vertices (70, 140) (70, 100), (90, 100) and (90, 120)