Name_____

Date_____

Advanced Algebra

Advanced Systems of Equations **Assignment #9**

1) For the following problems use the given system of equations for each step:

1x + 1y = 1

2x + 1y = 5

a) Write the given system into a matrix system

b) Show with proper notation HOW you would solve this given system

c) Show how to find the inverse of the matrix

$$\begin{bmatrix} 1 & 1 \\ 2 & 1 \end{bmatrix}$$

d) Show multiplying your matrix in step c by the answer matrix

e) What are the answers to the matrix System

Advanced Algebra

Advanced Systems of Equations

1) For the following problems use the given system of equations for each step:

1x - 4y = 20

2x + 5y = 1

a) Write the given system into a matrix system

b) Show with proper notation HOW you would solve this given system

c) Show how to find the inverse of the matrix

$$\begin{bmatrix} 1 & -4 \\ 2 & 5 \end{bmatrix}$$

d) Show multiplying your matrix in step c by the answer matrix

e) What are the answers to the matrix System