Algebra 2
Unit: Systems of Equations and Inequalities
Section: Matrices and Determinants

Review Worksheet

1) Organize the following data into a matrix:

	Number of Peak Minutes Used	Number of Off Peak Minutes Used
Sue	251	337
Joe	402	107

2) Use the following matrices to perform the given operations.

$$A = \begin{bmatrix} 1 & -7 \\ 0 & 4 \end{bmatrix} \qquad B = \begin{bmatrix} 6 & 2 \\ -9 & -3 \end{bmatrix} \qquad C = \begin{bmatrix} 3 & -2 \\ 0 & 4 \\ 5 & 11 \end{bmatrix} \qquad D = \begin{bmatrix} 5 & -2 & 3 \\ 1 & -5 & 0 \end{bmatrix}$$

a. A + B

b. B – A

c. A + C

d. 3C

e. AB

f. BC

g. AD

h. Find the determinant of A. Does this matrix have an inverse?

i. Find the determinant of B. Does this matrix have an inverse?