Math 324 - Additional Problems HW#8

1. $\begin{bmatrix} 1 & 2 & 3 & 4 \\ 1 & -2 & 4 & -8 \\ 2 & 4 & -6 & -8 \\ 2 & 0 & 7 & -4 \end{bmatrix}$

    (a) Find a basis for Null($A$).

    (b) What is the dimension of Null($A$)?

    (c) Find a basis for Row($A$).

    (d) What is the dimension of Row($A$)?

    (e) Find a basis for Col($A$).

    (f) What is the dimension of Col($A$)?