

Math 2890 Homework 2 Due date: Jan 25

- (1) Find the general solutions of the system whose augmented matrix are given in the followings.

$$(a) \begin{bmatrix} 0 & 1 & -5 & 6 \\ 1 & 2 & 1 & 5 \end{bmatrix} \quad (b) \begin{bmatrix} 3 & -4 & 2 & 0 \\ -9 & 12 & -6 & 1 \\ -6 & 8 & 4 & 0 \end{bmatrix} \quad (c) \begin{bmatrix} 1 & -3 & 0 & -1 & 0 & -2 \\ 0 & 1 & 0 & 0 & -4 & 1 \\ 0 & 0 & 0 & 1 & 3 & 4 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{bmatrix}$$
$$(d) \begin{bmatrix} 1 & -2 & -7 & -12 \\ -1 & 1 & 3 & 6 \\ 2 & -2 & -7 & -13 \end{bmatrix}.$$