

## Attendance Quiz for Lecture 15

NAME: (print!) \_\_\_\_\_ Section: \_\_\_\_\_

E-MAIL ADDRESS: (print!) \_\_\_\_\_

1. Find a basis for (a) the column space and (b) the null space of the matrix

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

2. Find a basis for the following subspace

$$\left\{ \begin{bmatrix} 2s \\ -s + 4t \\ s - 3t \end{bmatrix} \in \mathbb{R}^3 : s \text{ and } t \text{ are scalars} \right\} .$$