

# Day 2 Problems

10/26/06

- State the dimensions of each matrix.

1. 
$$\begin{bmatrix} 1 & 2 & 3 \\ 4 & 8 & -5 \\ 7 & 9 & -6 \end{bmatrix}$$

2. 
$$\begin{bmatrix} 10 & 8 & 9 \end{bmatrix}$$

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

Solve each equation.

4. 
$$\begin{bmatrix} 2x \\ 3y+1 \end{bmatrix} = \begin{bmatrix} 8 \\ 10 \end{bmatrix}$$

5. 
$$\begin{bmatrix} 2x - y \\ 3x + y \end{bmatrix} = \begin{bmatrix} -4 \\ -1 \end{bmatrix}$$