

MAT 216 (Introduction to Matrix Algebra), Prof. Jim Swift
Worksheet 5 = Quiz 3: Inverse Matrices

Name: _____

1. Use the row-reduction method to find the inverse of the matrix

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

2. Find the matrix A , assuming that $A^{-1} = \begin{bmatrix} 1 & 2 \\ 3 & 5 \end{bmatrix}$. You may use the known inverse of a 2x2 matrix, but you do not have to.