MATH 54 SPRING 2019: DISCUSSION 109/112 QUIZ#2

GSI: CHRISTOPHER EUR, DATE: 2/12/2019

STUDENT NAME: _____

Problem 1. (5 points) Determine whether the following matrix A is invertible

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

Problem 2. (5 points) Let A and B be matrices such that AB is well-defined. Show that if the columns of B are linearly dependent, then so are the columns of AB.