

MATH 3191 Written Homework 7

____/20 points

Name: _____

Due: March 9th

Show all work that leads to your answers. I will be providing feedback on the work as well as the answers!

1. Let A be the matrix given below and use it for both questions

$$A = \begin{bmatrix} 1 & -3 & -10 \\ 1 & -2 & -6 \\ -2 & 2 & 4 \end{bmatrix}$$

- (a) (10 points) Give a basis for the null space of A .
- (b) (10 points) Give a basis for the column space of A .