

# Quiz 1

Student ID Number:

Name \_\_\_\_\_

Math 3A, 8 AM

Please justify all your answers

October 4, 2018

Please also write your full name on the back

1. Solve the following system of equations.

$$\begin{array}{rrcrcl} x & - & 2y & + & 3z & = & 7 \\ 2x & + & y & + & z & = & 4 \\ -3x & + & 2y & - & 2z & = & -10 \end{array}$$

2. True or false: The system corresponding to this augmented matrix is consistent. Explain briefly.

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