Quiz 1

Student ID Number:

Math 3A, 6 PM

Please justify all your answers

Please also write your full name on the back

Name _____

October 4, 2018

1. Solve the following system of equations.

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

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

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