

Quiz 1

Answer the follow questions about the equations below without using your calculator.

$$\begin{cases} 3x_1 - 4x_2 + x_3 = 11 \\ -x_1 - 3x_2 + 2x_3 = 2 \end{cases}$$

1. (3 points) Is this a system of linear equations?
2. (4 points) Is the system consistent?
3. (3 points) If the system is consistent, does it have a unique solution?