Quiz #1

Please print your name:

Problem 1. Consider the following system of linear equations:

$$\begin{aligned}
x_1 + 3x_2 - x_3 &= 5 \\
x_1 + 4x_2 + 4x_3 &= -3 \\
2x_1 + 7x_2 + x_3 &= 6
\end{aligned}$$

(a) Write down the augmented matrix for the system.

(b) Using Gaussian elimination, determine the RREF.   (Make sure to record all your row operations!)

(c) From the RREF, read off the solution to the linear system.