HW1 1.1 7,8,9,10 1.2 2,11,13,15,16

Alex Keoh

8) 
$$\begin{bmatrix} 1 & -4 & 9 & 0 \\ 0 & 1 & 7 & 0 \\ 0 & 0 & 2 & 0 \end{bmatrix}$$

$$\begin{array}{c} 0x_1 + 0x_2 + 2x_3 = 0 \\ x_3 = 0 \\ \hline \end{array}$$

$$\begin{array}{c} 0x_1 + 1x_2 + 7(0) = 0 \\ x_2 = 0 \\ \hline \end{array}$$

$$\begin{array}{c} 1x_1 + (-4)(0) + 9(0) = 0 \\ x_1 = 0 \\ \hline \end{array}$$

$$\begin{array}{c} 1x_1 + (-4)(0) + 9(0) = 0 \\ \hline \end{array}$$

$$\begin{array}{c} 1x_1 + (-4)(0) + 9(0) = 0 \\ \hline \end{array}$$

$$\begin{array}{c} 1x_1 + (-4)(0) + 9(0) = 0 \\ \hline \end{array}$$

159) Consistant, unique

b) inconsistant

16 a) Consistant, unique b) Consistant, not unique