Subject: Session 14 Problems

Year. Month. Date. ( )

1 a)
$$\begin{vmatrix} 1 & 1 & 2 \\ 2 & 1 & c \\ 3 & 1 & 6 \end{vmatrix} = \begin{vmatrix} 1 & 1 & 2 \\ 2 & 1 & c \\ 0 & -2 & 0 \end{vmatrix}$$

$$= -(-2)\begin{vmatrix} 1 & 2 \\ 2 & c \end{vmatrix} = 2c - 8 \xrightarrow{c=1} = -6$$

$$\begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$$

b)