

Homework 1.1

Note Title

9/2/2005

#1, 29 § 1.1

#1

$$\textcircled{1} \quad x_1 + 5x_2 = 7$$

$$\textcircled{2} \quad -2x_1 - 7x_2 = -5$$

$$2 \cdot \textcircled{1} + \textcircled{2} : \quad 3x_2 = 9 \Rightarrow x_2 = 3$$

$$\text{So } x_1 = 7 - 15 = -8$$

$$\begin{bmatrix} -8 \\ 3 \end{bmatrix}$$

$$-8 + 15 = 7 \quad \checkmark$$

$$16 - 21 = -5$$

#29 An interchange of rows 1 + 2
does it!