Name: _____

SID: _____

Serrial Number: _____

Math 260
Spring 2013, Term 122

Quiz 3 Section 04

Instructions: Show Your Work!

(10$^{\text{pts}}$) **1.** Solve the system by Gaussian Elimination Method (use elementary row operations to transform the augmented coefficient matrix to echelon form then use back substitution)

$$
\begin{array}{rrrcr}
3x_1 & +x_2 & -3x_3 & = & 6 \\
2x_1 & +7x_2 & +x_3 & = & -9 \\
2x_1 & +5x_2 & & = & -5
\end{array}
$$