Quiz #3

Student Name: Student ID:

(a) Write the following set of equations in matrix form:

$$40 = 5x_3 + 2x_1$$

$$10 - x_2 = x_3$$

$$3x_2 + 8x_1 = 20$$

(b) Write the transpose of the matrix of coefficients.

(c) Compute the determinant.

(d) Use Cramer's rule to solve for the x's.

Theoretical Models for Computing