Attendance Quiz for Lecture 8

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. Set up an initial simplex tableau to the following linear programming problem.

Maximize $z = x_1 + 3x_2 + 5x_3 - 4x_4$ subject to the restrictions

$$2x_1 - 3x_2 + 4x_3 - x_4 \leq 5 \quad,$$

$$3x_1 \qquad + x_4 \leq 6 \quad,$$

$$2x_3 + 5x_4 \leq 7 \quad,$$

$$x_1 \geq 0 \quad, \quad x_2 \geq 0 \quad, \quad x_3 \geq 0 \quad, \quad x_4 \geq 0 \quad.$$