

Dr. Z.'s Math 354 REAL Quiz #5

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. (8 pts.) Use the **simplex method** (no credit for other methods) to solve the following linear programming problem.

Maximize $z = x + y$, subject to

$$2x + y \leq 6 \quad , \quad x + 2y \leq 6 \quad , \quad x \geq 0 \quad , \quad y \geq 0 \quad .$$