Dr. Z.'s Math 354 REAL Quiz #4

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. (8 pts.) (a) Find the extreme points of the set of feasible solutions for the following linear programming problem (b) Find the optimal solution(s)

Minimize $z = 5x - 3y$ subject to

$$x + 2y \leq 4 \quad , \quad x + y \geq 3 \quad , \quad x \geq 0 \quad , \quad y \geq 0 \quad .$$