

## Intended Attendance Quiz for Lecture 6

**NAME:** (print!) \_\_\_\_\_

**E-MAIL ADDRESS:** (print!) \_\_\_\_\_

Today, Sept. 25, 2023, Mr. George Spahn subbed for me, and apparently gave a different one. This is the one I intended to give. Please use it as practice and compare your answers to the posted solution.

1. Find the extreme points of the set of feasible solutions for the given linear programming problem and (b) find the optimal solution(s).

Mimimize  $z = 2x + y$  subject to the restrictions

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