

Math 30210 — Introduction to Operations Research

Quiz 5 – Wednesday October 3, 2007

NAME: _____

Instructions: This is a closed-book quiz. Please do not use any notes.

Use the two-phase method to show that there are no numbers $x, y \geq 0$ satisfying both $x + y \leq 2$ and $x + 2y \geq 6$. You may use the blank tables below for your simplex tableau. (Hint: the tables below have exactly the necessary number of columns). Use the blank space below to explain your conclusions.

Basic	z	x	y				Soln.

Basic	z	x	y				Soln.

Basic	z	x	y				Soln.

Basic	z	x	y				Soln.