Attendance Quiz for Lecture 7

NAME: (print!)	
E-MAIL ADDRESS: (print!)	
E WITTE TEDICESS: (print.)	

1. Consider the linear programming problem

Maximize z = 3x + 2y subject to

$$2x - y \le 6$$
 , $2x + y \le 10$, $x \ge 0$, $y \ge 0$.

- (a) Transform this problem to a problem in **canonical form**.
- (b) Find all **basic solutions** and label them according to whether there are feasible(f) or not faesible(n)
- (c) Find the optimal solution (or solutions in case there is more than one) and the optimal value.