**Pre-Lab:**

1. Write the algorithm to solve the simple simplex method. What is the usage of slack variables.
2. Consider the following linear programming problem

Maximize:

*P* = 7*x* + 12*y*

Subject to:

2*x* + 3*y* ≤ 6

3*x* + 7*y* ≤12

SetUp the Initial Simplex Tableau.