

Adv. Comb. HW 2. Name _____ Time_____

Maximize $p = 3x + 2y$ over the region bounded by:

$$x = 0, \quad y = 0, \quad y = 5x - 10, \quad y = -3x + 20, \quad y = 2x + 10.$$

1. Rewrite this objective function and feasible region as a vector function and a matrix inequality.
2. Maximize using the simplex method. Highlight the pivot column and entry, and list the row operations.