Linear Programming – Easy problems. Class/section _____ Name _____

	Problem	Work (use graph paper for your graphs)	Answer
1	Maximize the cost function K(p,q) = 2p+3q Subject to the constraints: $p + 2q \le 6$ $p \le 0.5q$ $p \ge 1$		
2	Minimize the cost function G(x,y) = 2x + 3y Subject to the constraints: $x+y \le 5$ $y \le x - 5$ $y \ge 2$		
3	Maximize the cost function T(x,y) = 2x+5y Subject to the constraints: $x \ge 0$ $y \ge 0$ $x \le 8$ $y \le 3$		