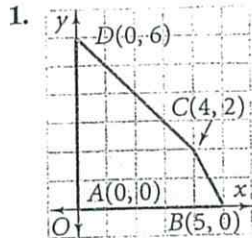


Alg 2

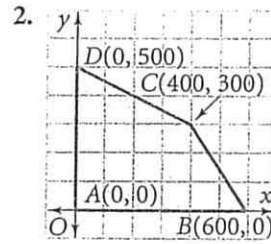
Unit 2/Chapter 3 Systems of Equations

Section 3.4 Linear Programming Day 1 Homework

Find the values of x and y that maximize or minimize the objective function for each graph.



Maximum for
 $P = 3x + 2y$



Maximum for
 $P = 7x + 4y$

Graph each system of constraints. Name all vertices. Then find the values of x and y that maximize or minimize the objective function. Find the maximum or minimum value.

4.
$$\begin{cases} x \leq 5 \\ y \leq 4 \\ x \geq 0, y \geq 0 \end{cases}$$

Maximum for
 $P = 3x + 2y$

