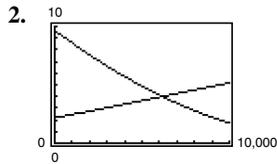


Systems of Equations and Inequalities Answers

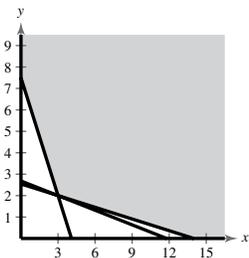
1. 2200 cups of hot chocolate and 3000 cups of coffee



About (6167, 4); At a selling price of \$4, the number of cheeseburgers consumers are willing to buy is equal to the number of cheeseburgers the concession stand is willing to sell, about 6167 cheeseburgers.

3. 2100 reserved tickets, 12,600 general admission tickets, 4200 student tickets

4. a.
$$\begin{cases} 20x + 110y \geq 280 \\ 110x + 60y \geq 450 \\ 5x + 22y \geq 59 \\ x \geq 0 \\ y \geq 0 \end{cases}$$



b. 3 drinks and 2 gel packets

c. Sodium

5. 600 T-shirts and 270 sweatshirts; \$11,400