

Practice Quiz:

Defining Statements: Let $x =$ # of cow bells
Let $y =$ # of foam fingers.

Restrictions: $x \geq 0$
 $y \geq 0$

Constraints: $x \leq 150$
 $y \leq 70$
 $x + y \leq 200$

Objective Function: $S = 3x + 4y$

Steps to draw graph:

① $x = 150$	$y = 70$	$x + y = 200$
② Skip	Skip	$x \text{ int } (y=0)$ $y \text{ int } (x=0)$ $x + 0 = 200$ $0 + y = 200$ $x = 200$ $y = 200$ $(200, 0)$ $(0, 200)$
③ Skip	Skip	$x + y \leq 200$ $0 + 0$ 200 0 True Shade the plane where $(0, 0)$ lies.

Attachments

6Ws4e1.mp4

6Ws4e2.mp4