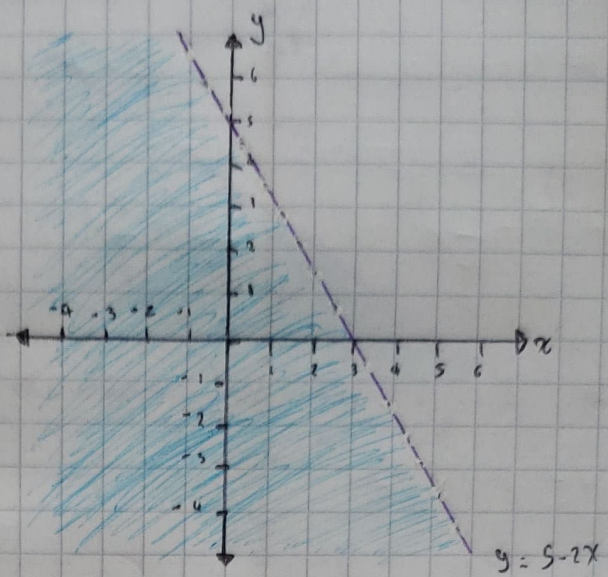
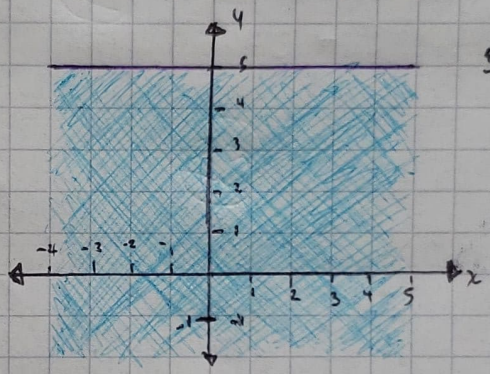
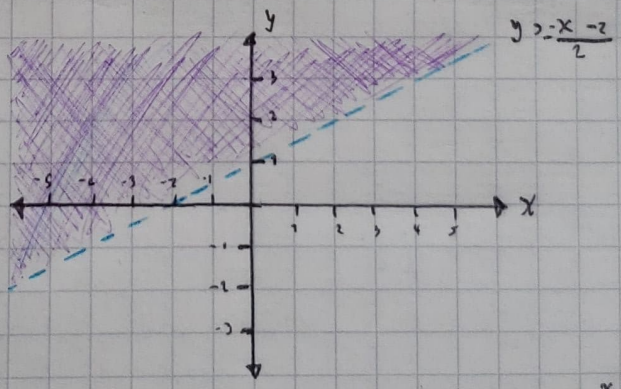
① $2x + y < 5$



② $y \leq 5$



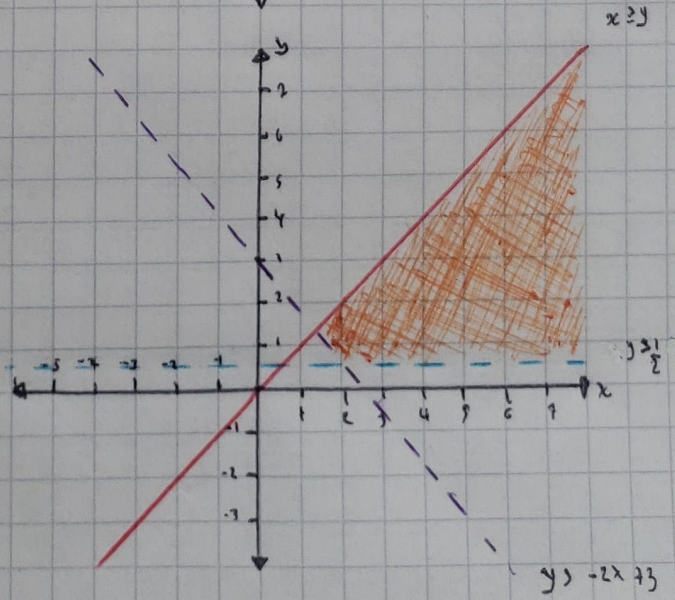
③ $2(2x - y) < 2(x + y) - 4$



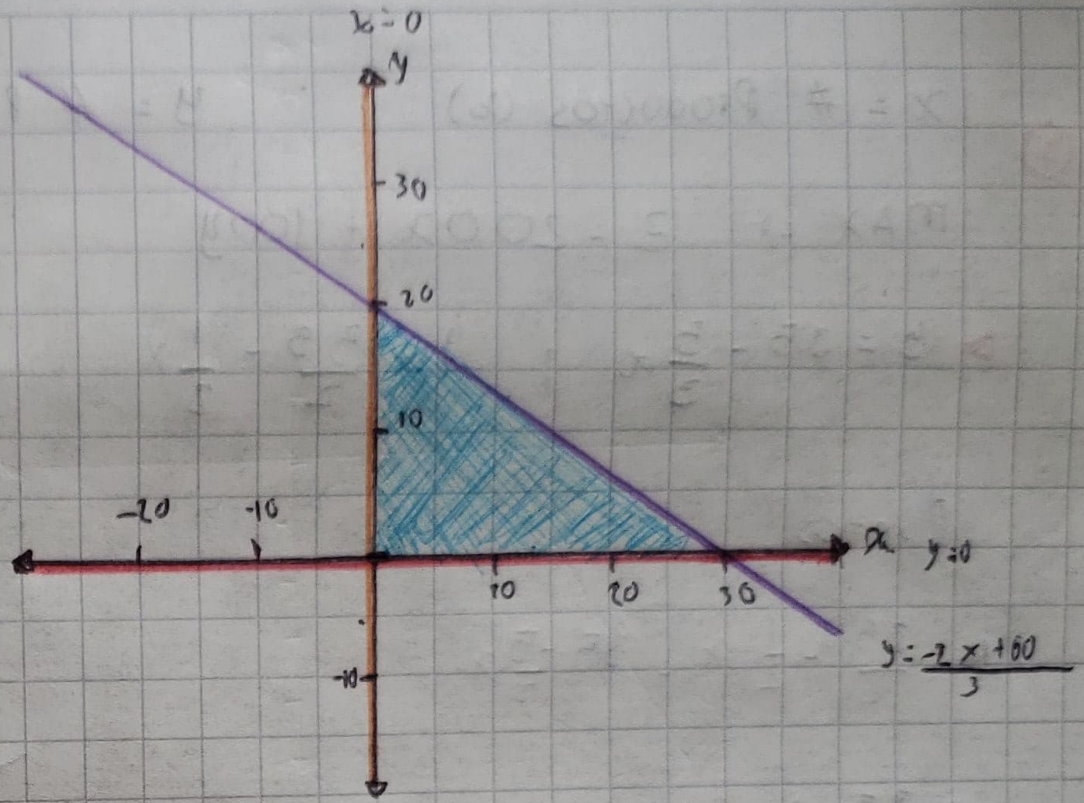
④ $2x + y \geq 3$

$2y - 1 > 0$

$x \geq y$



⑤ $\begin{cases} 2x + 3y \leq 60 \\ x \geq 0 \\ y \geq 0 \end{cases}$



① x = # Productos (A) $\quad$ y = # Productos (B)

MAX $\Rightarrow$ $Z = 200x + 100y$

$$\begin{cases} 5x + 3y \leq 105 \\ 2x + 4y \leq 70 \\ x, y \geq 0 \end{cases}$$

- $y = 35 - \frac{5}{3}x$; $y = \frac{35}{2} - \frac{1}{2}x$

Puntos

- $\frac{35}{2} - \frac{1}{2}x = 35 - \frac{5}{3}x$

→ $35 - x = 70 - \frac{10}{3}x \rightarrow x = 15$

- $35 - \frac{5}{3}(15) = y \rightarrow y = 10$