

#A: x

#B: y

	hours	kg
A	1	3
B	2	2
	80	120

$$1 \cdot x + 2 \cdot y \leq 80$$

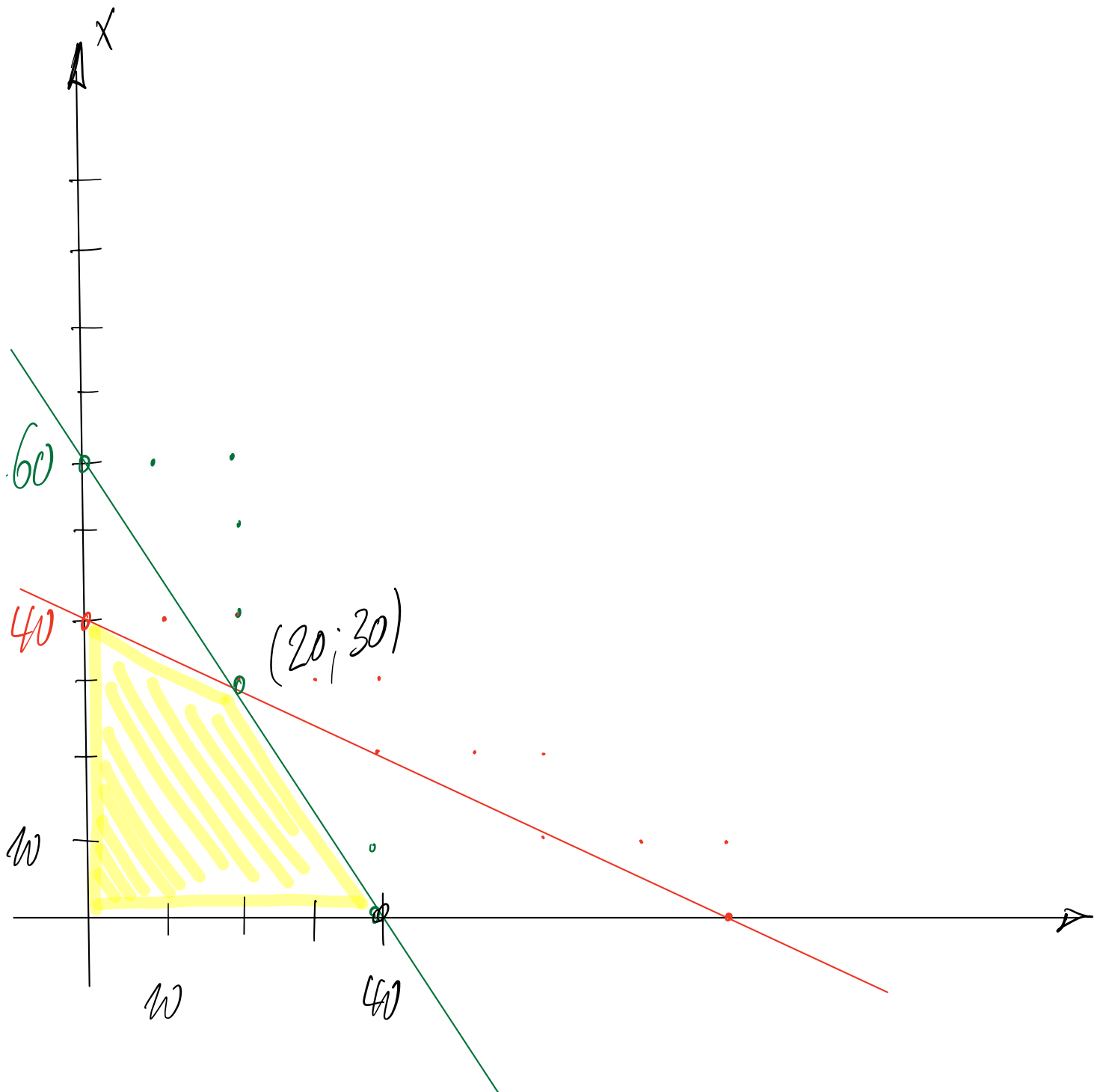
$$3 \cdot x + 2 \cdot y \leq 120$$

$$x \geq 0$$

$$y \geq 0$$

$$2y = -x + 80 \quad / \quad y = -\frac{1}{2}x + 40$$

$$2y = -3x + 120 \quad / \quad y = -\frac{3}{2}x + 60$$



Dessiner $f: 6x+5y=0 \mid 5y=-6x \mid y=-\frac{6}{5}x$

obj.

pente

MAXIMISER $f(x,y) = 6x+5y$

$y = -2x+9$

$y = -3x+6$

$y = -x+7$

$6 \cdot 2 + 5 \cdot 0 = 12$

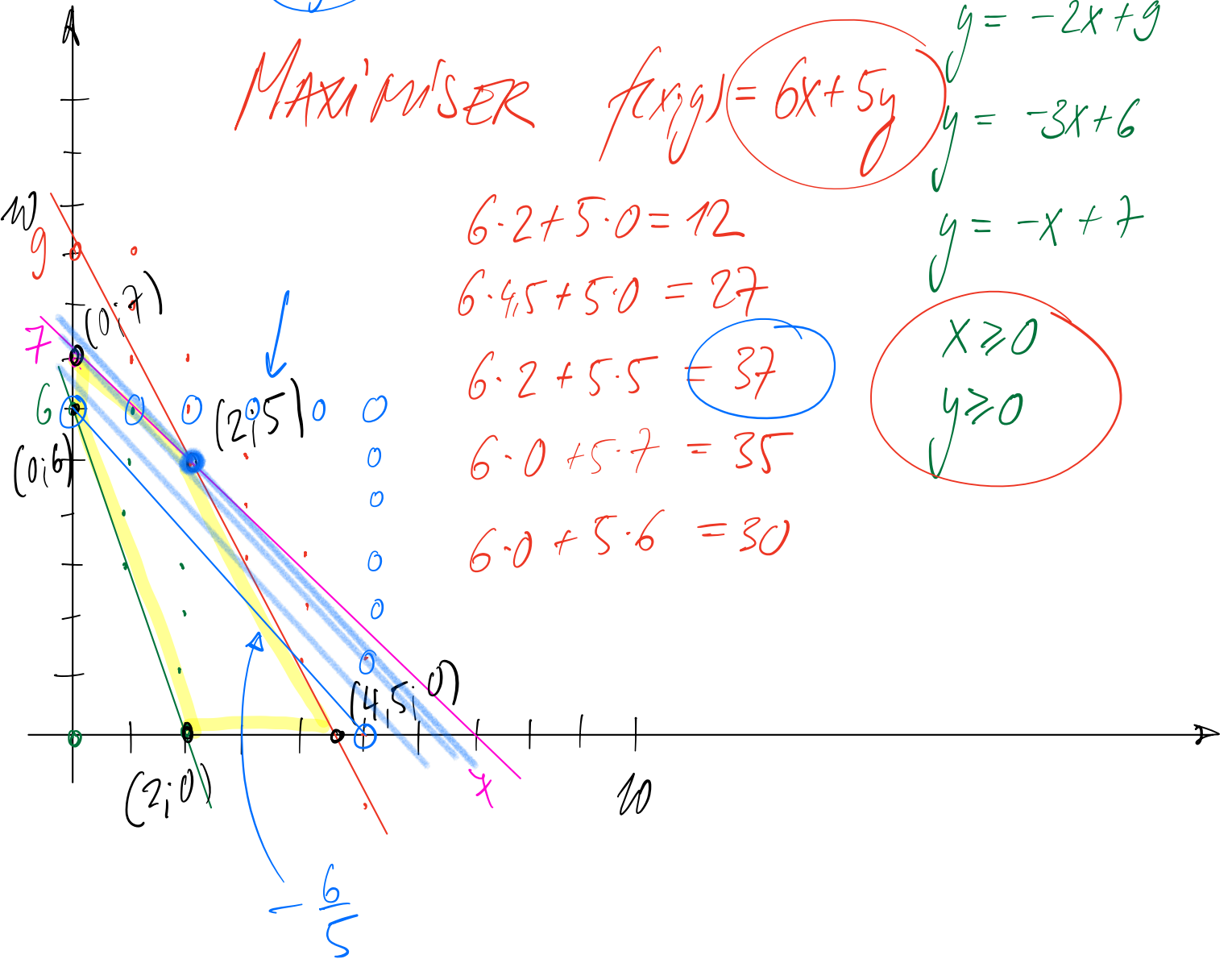
$6 \cdot 4,5 + 5 \cdot 0 = 27$

$6 \cdot 2 + 5 \cdot 5 = 37$

$6 \cdot 0 + 5 \cdot 7 = 35$

$6 \cdot 0 + 5 \cdot 6 = 30$

$x \geq 0$
 $y \geq 0$



$$2x + 2y = 14$$

$$2y = -2x + 14$$

$\div 2$

$$y = \frac{-2x}{2} + \frac{14}{2}$$

$$y = -\frac{1}{1}x + 7$$

