

$$4x - 2y = 0$$

$$y = 2x$$

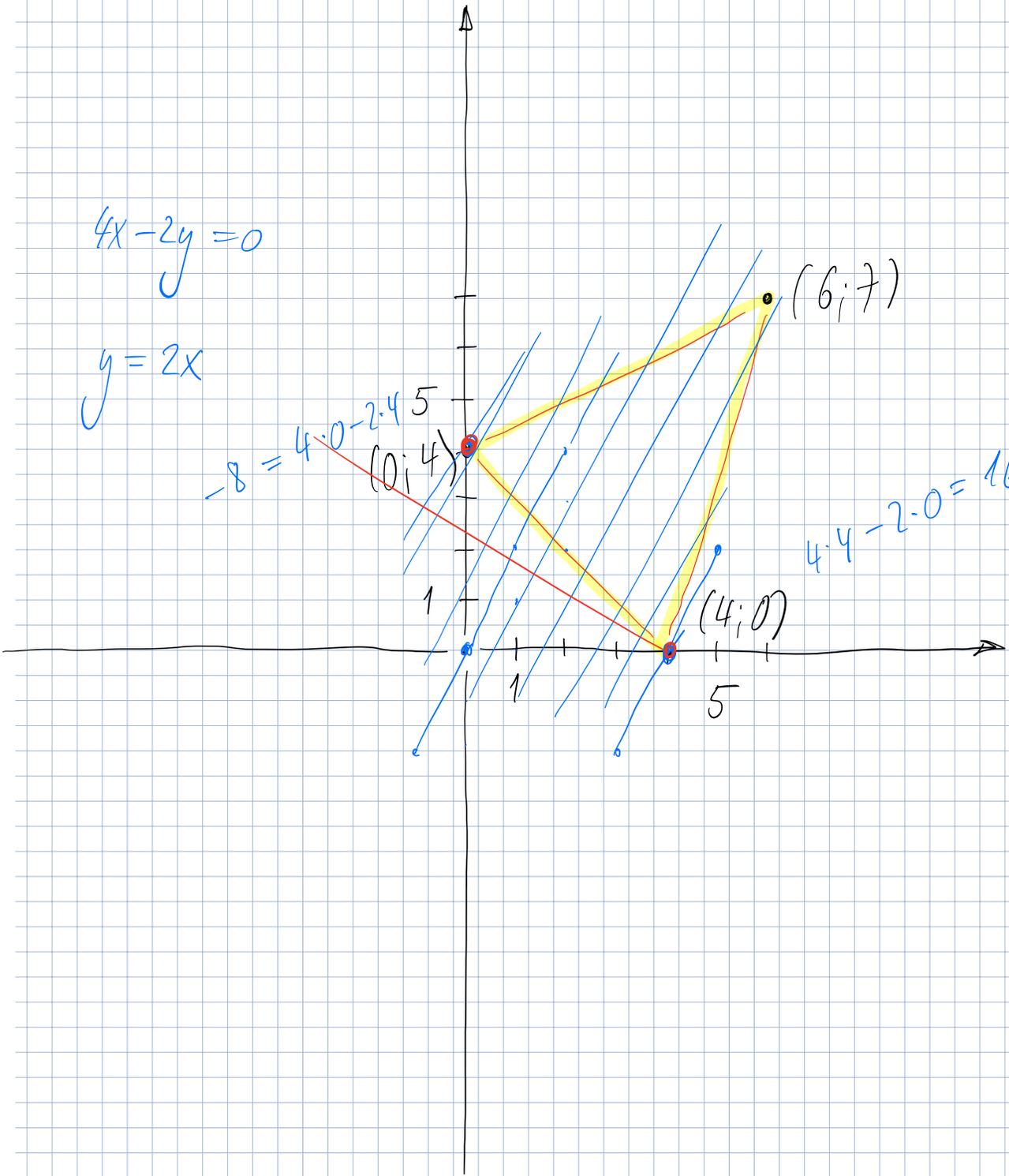
$$-8 = 4 \cdot 0 - 2 \cdot 4$$

$(0; 4)$

$$16 = 4 \cdot 4 - 2 \cdot 0$$

$(4; 0)$

$(6; 7)$

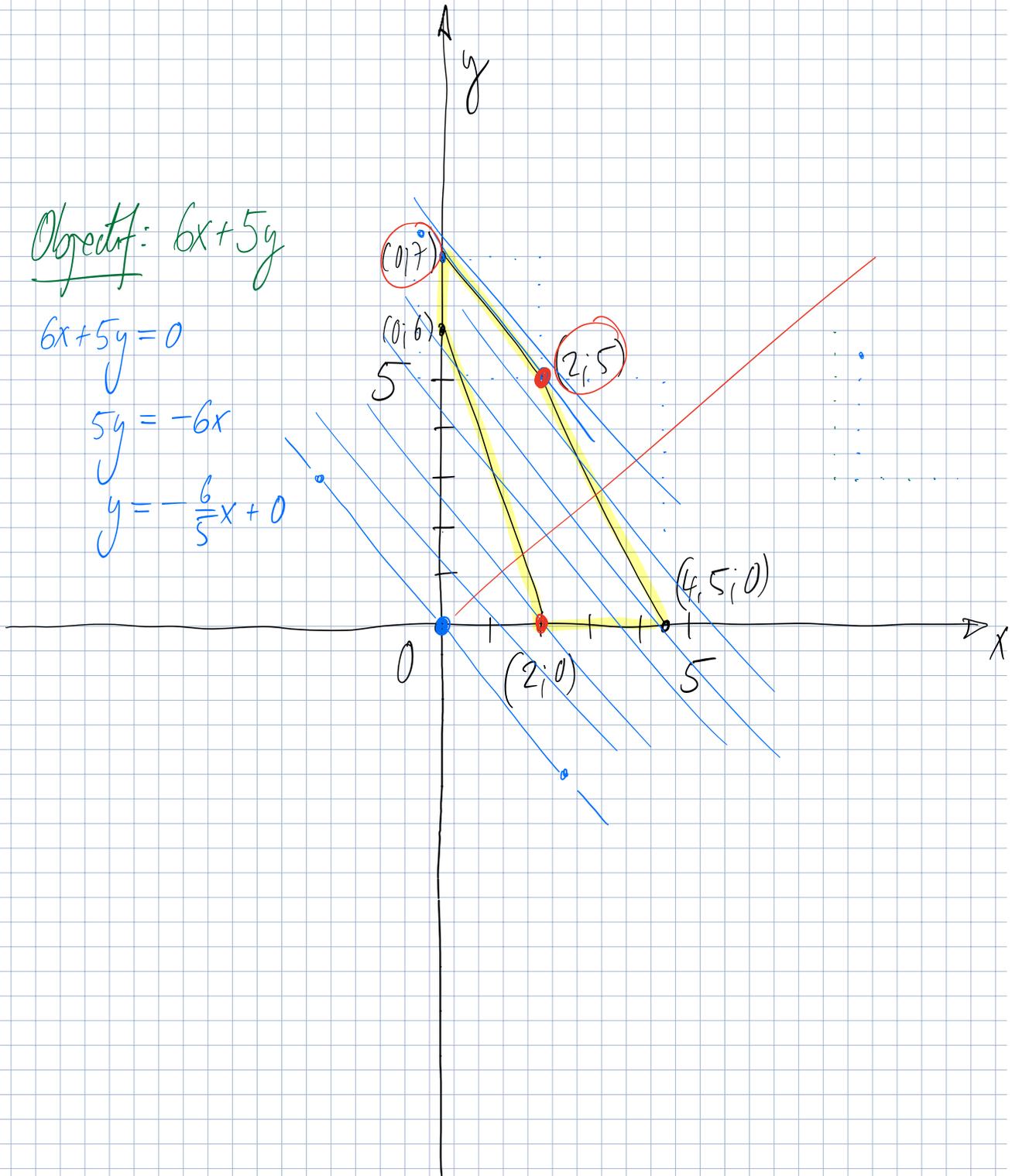


Objektiv:  $6x + 5y$

$$6x + 5y = 0$$

$$5y = -6x$$

$$y = -\frac{6}{5}x + 0$$



1.7

Traduite en algèbre

Contraintes

a)  $\#A : x$        $\#B : y$

A: 1 heure      3 kg       $\rightarrow$       x heures      3x kg

B: 2 heures      2 kg       $\rightarrow$       2y heures      2y kg

TOTAL       $x + 2y$  h       $3x + 2y$  kg

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80h      120 kg

Contraintes  
 $\downarrow$   
polygone

$x + 2y \leq 80$        $3x + 2y \leq 120$

$x \geq 0$        $y \geq 0$

$$y = -\frac{1}{2}x + 40$$
$$y = -\frac{3}{2}x + 60$$

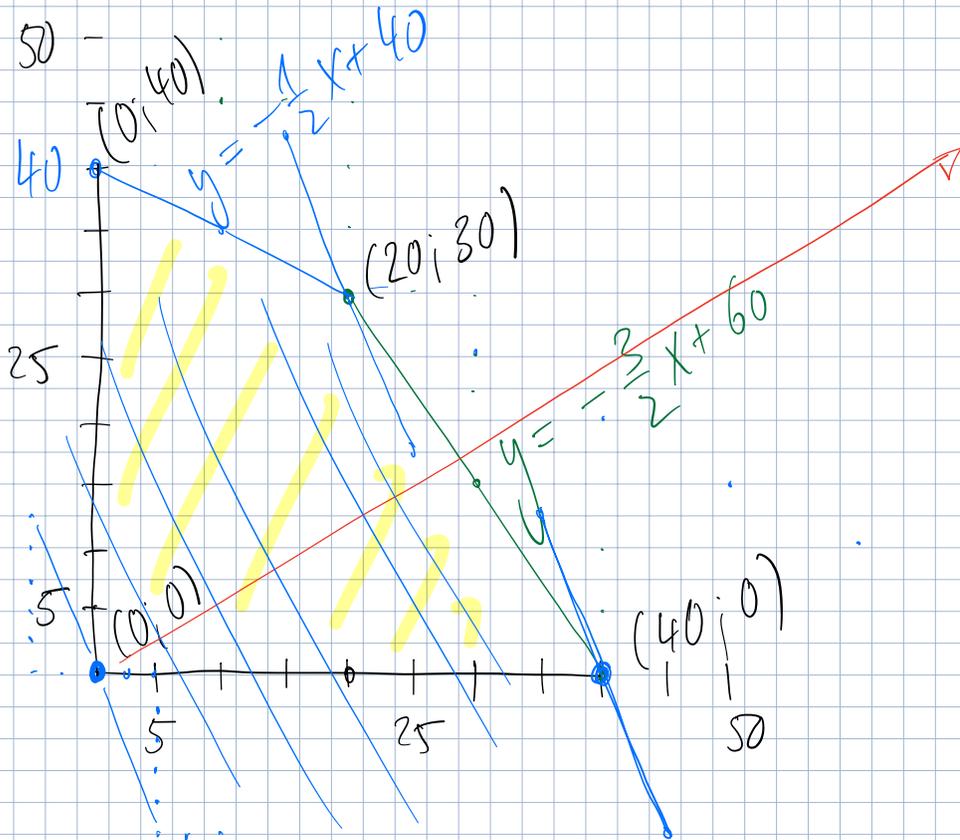
c) profit

$$50x + 20y$$

b/

$$50x + 20y = 0$$

$$y = -\frac{5}{2}x$$



Il faut produire 40 boîtes « A »

et 0 boîtes « B »

( profit max. 2000 )