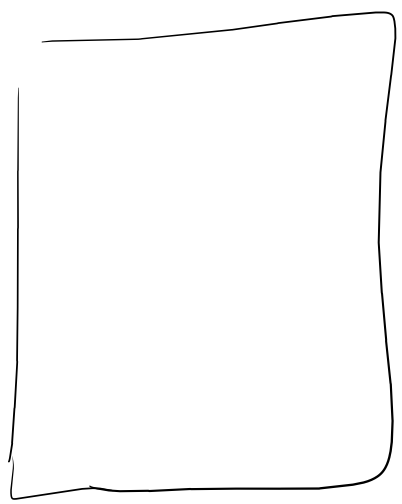
2C1SA

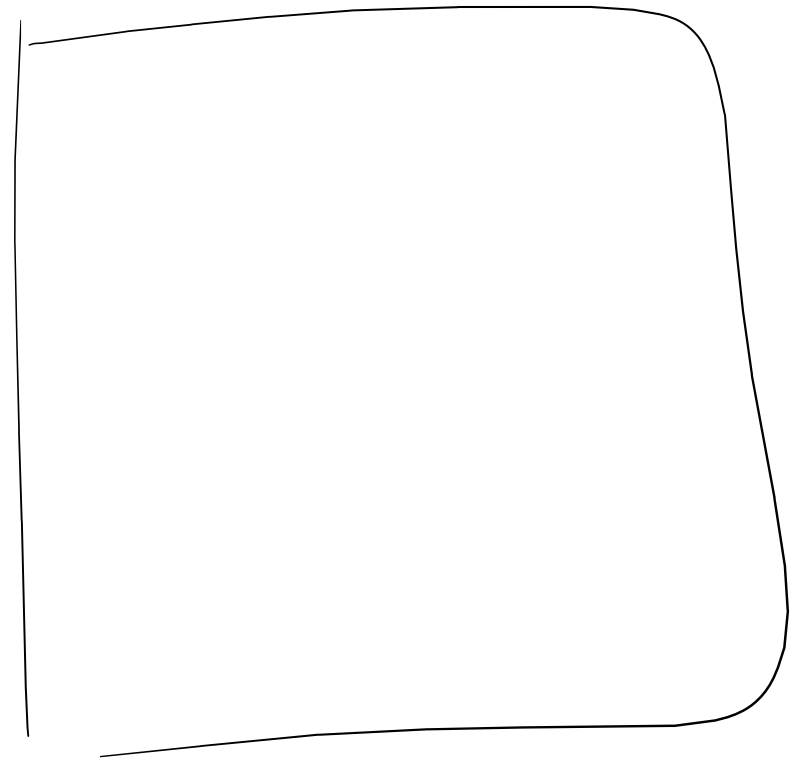
PROPORTIONS

1	3,60
3	10,80

Règle de 3

6 m²

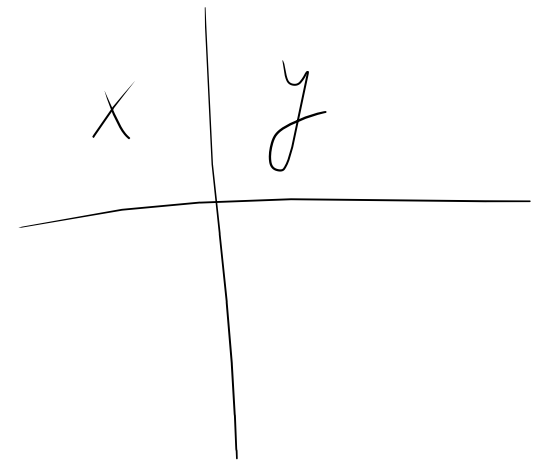


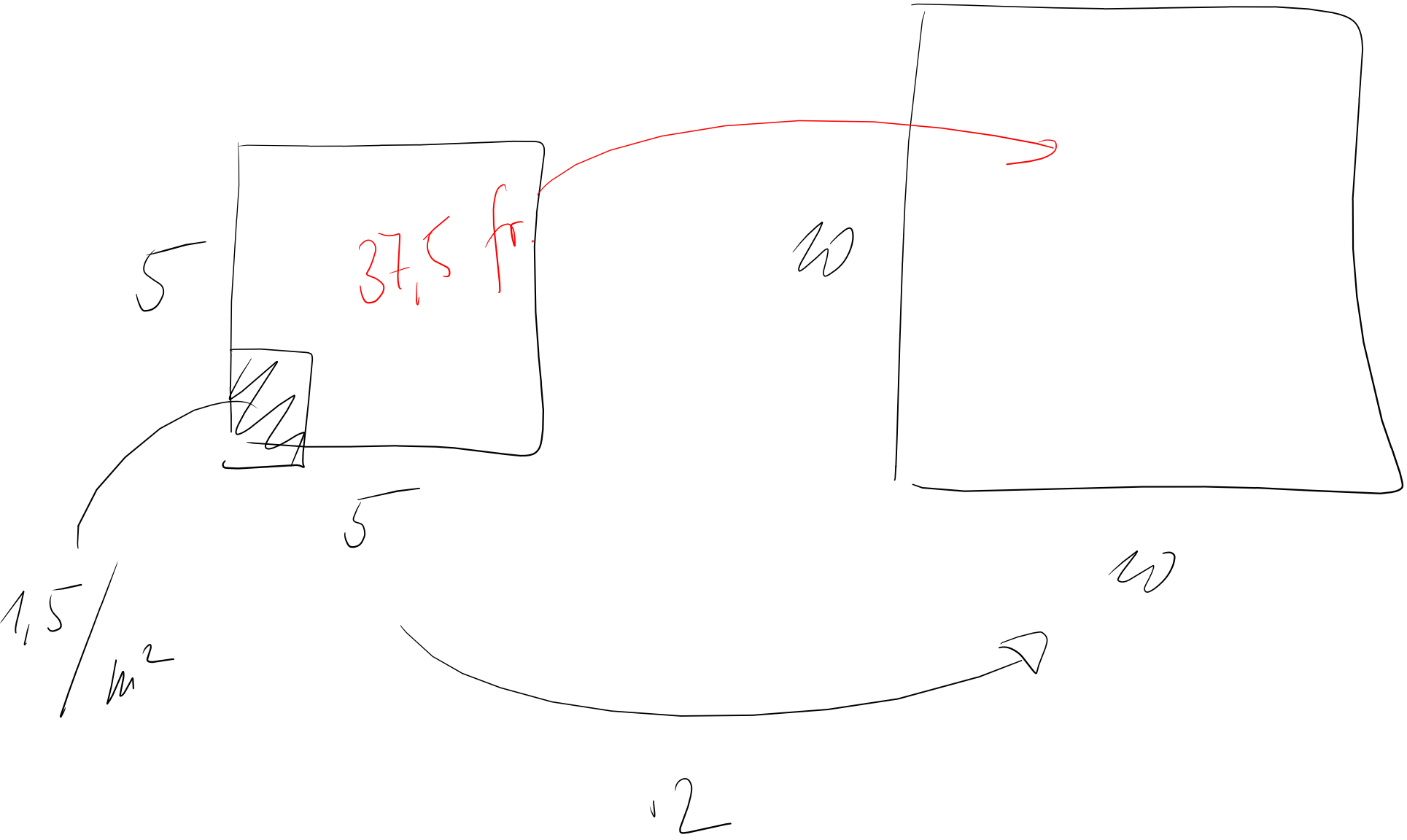


7 m² 12 s

x

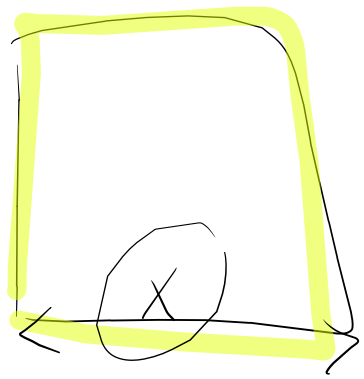
y

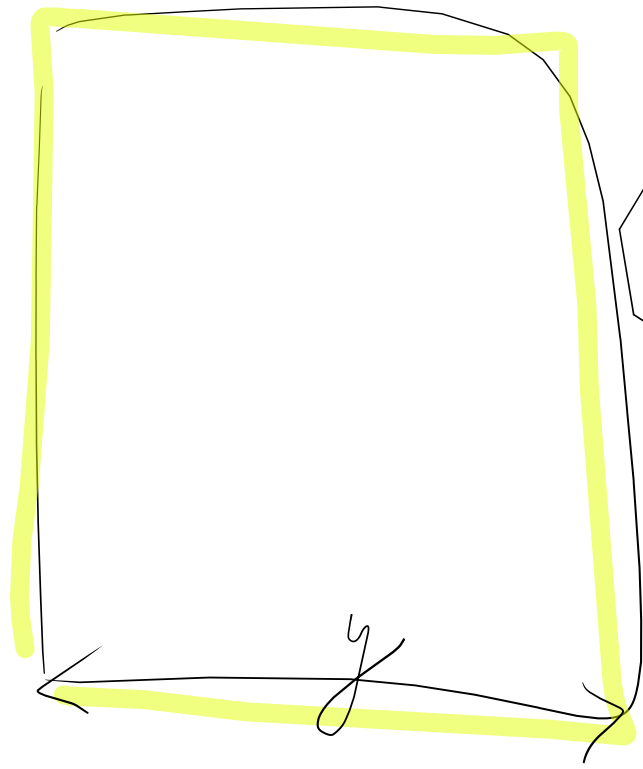



5
37,5 fr.
5
10
10
1,5 / m²
· 2

$$v = \frac{d}{t}$$

$$t = \frac{d}{v}$$





$$y = 1{,}2 \cdot x$$

$$y^2 = 1{,}44 \cdot x^2$$

360 s

432 s

360	432
1	1,2

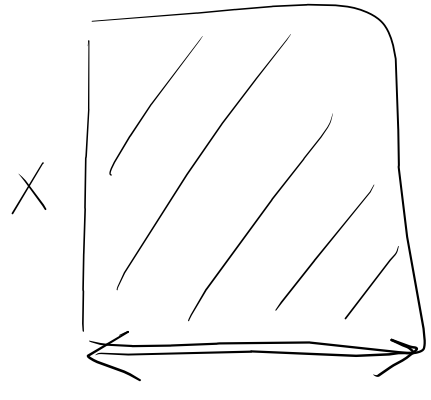
m dam hm km

10 m 100 m 1000 m

m^2 a = dam^2 ha = hm^2 km^2

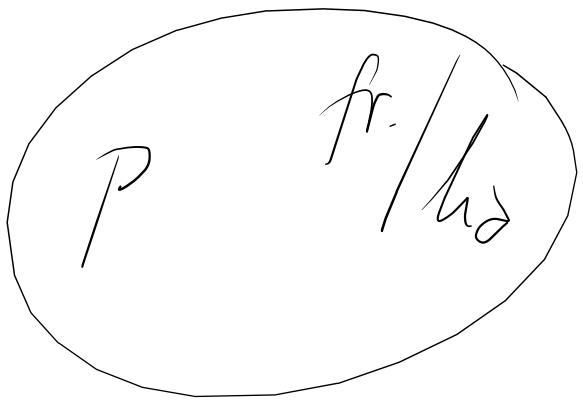
100 m x 100 m = 10 000 m^2

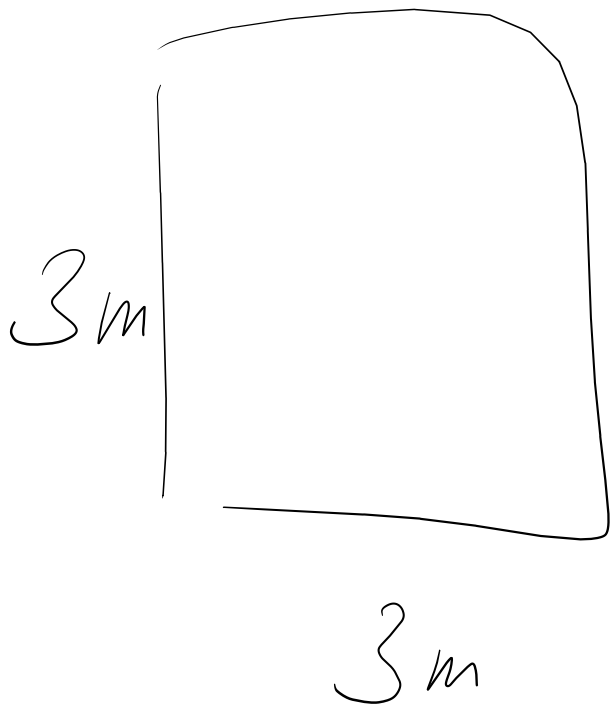
X en km



X = 4 km

P = 1,75 fr./ha surface





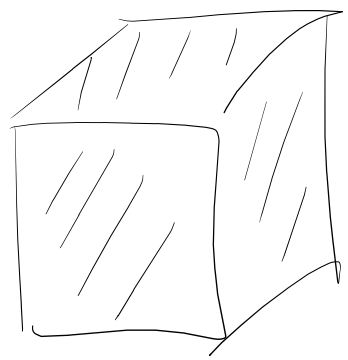
0,6 l/m²

PL

Programmation linéaire

CHERCHER UN MAX / MIN ?

1.7



A

50.—

B

20.—

12|08 − 16|08

380

240

profit

$380 \cdot (50.-) + 240 \cdot (20.-) = 23800.-$

$f(x;y) = 50x + 20y$

Nbre de A

Nbre de B

P3

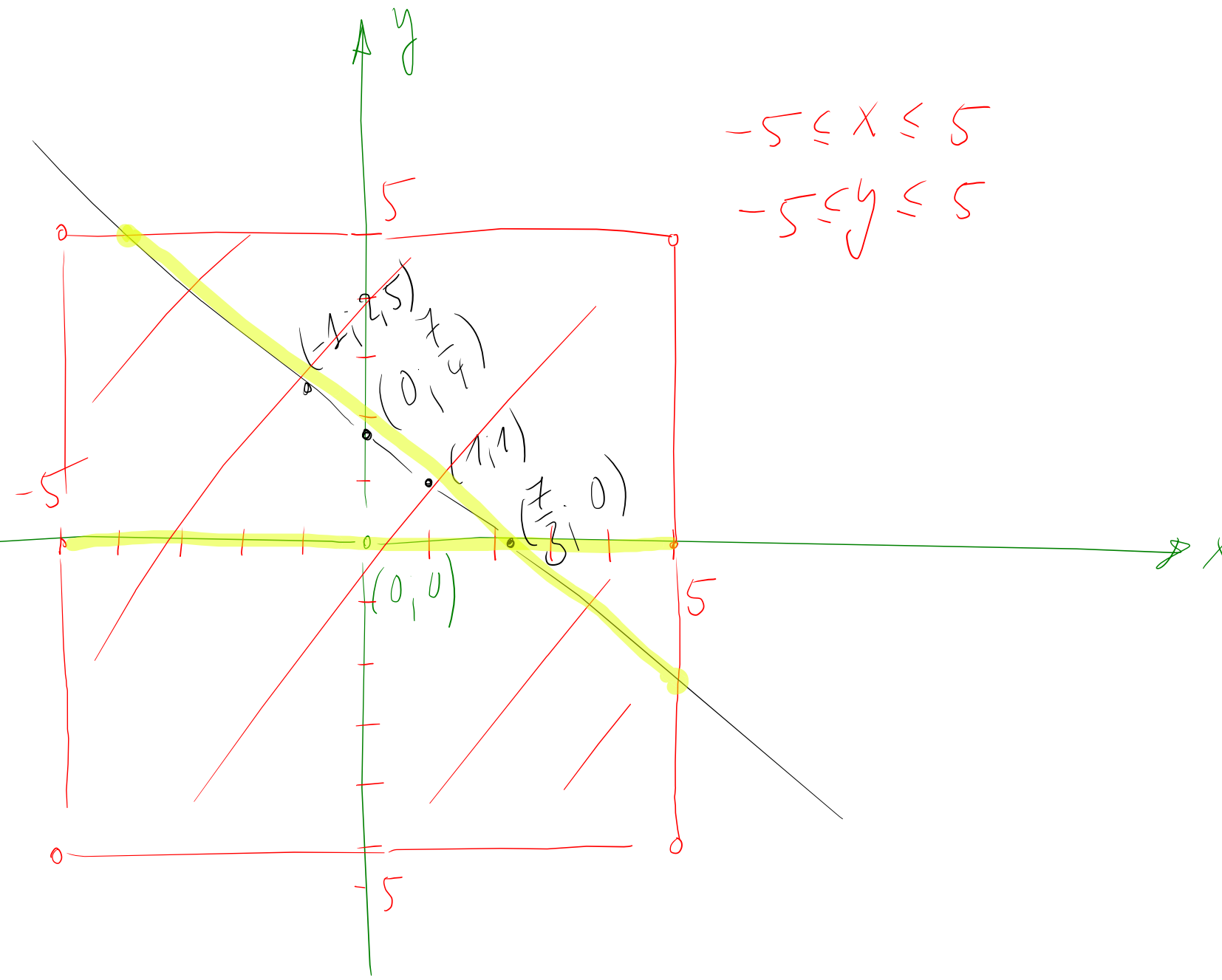
c) $3x + 4y = 7$

$y = -\frac{3}{4}x + \frac{7}{4}$

$x = 1$ $\quad 3 \cdot 1 + 4y = 7$

$4y = 4$

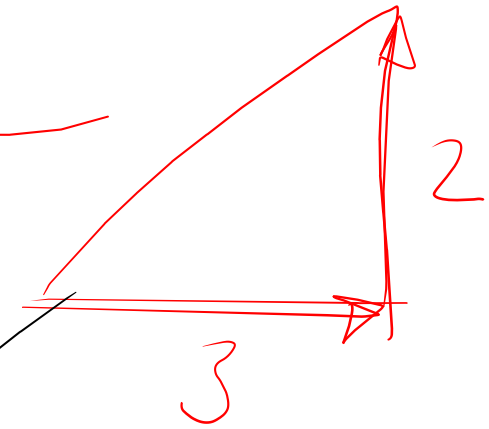
$y = 1$

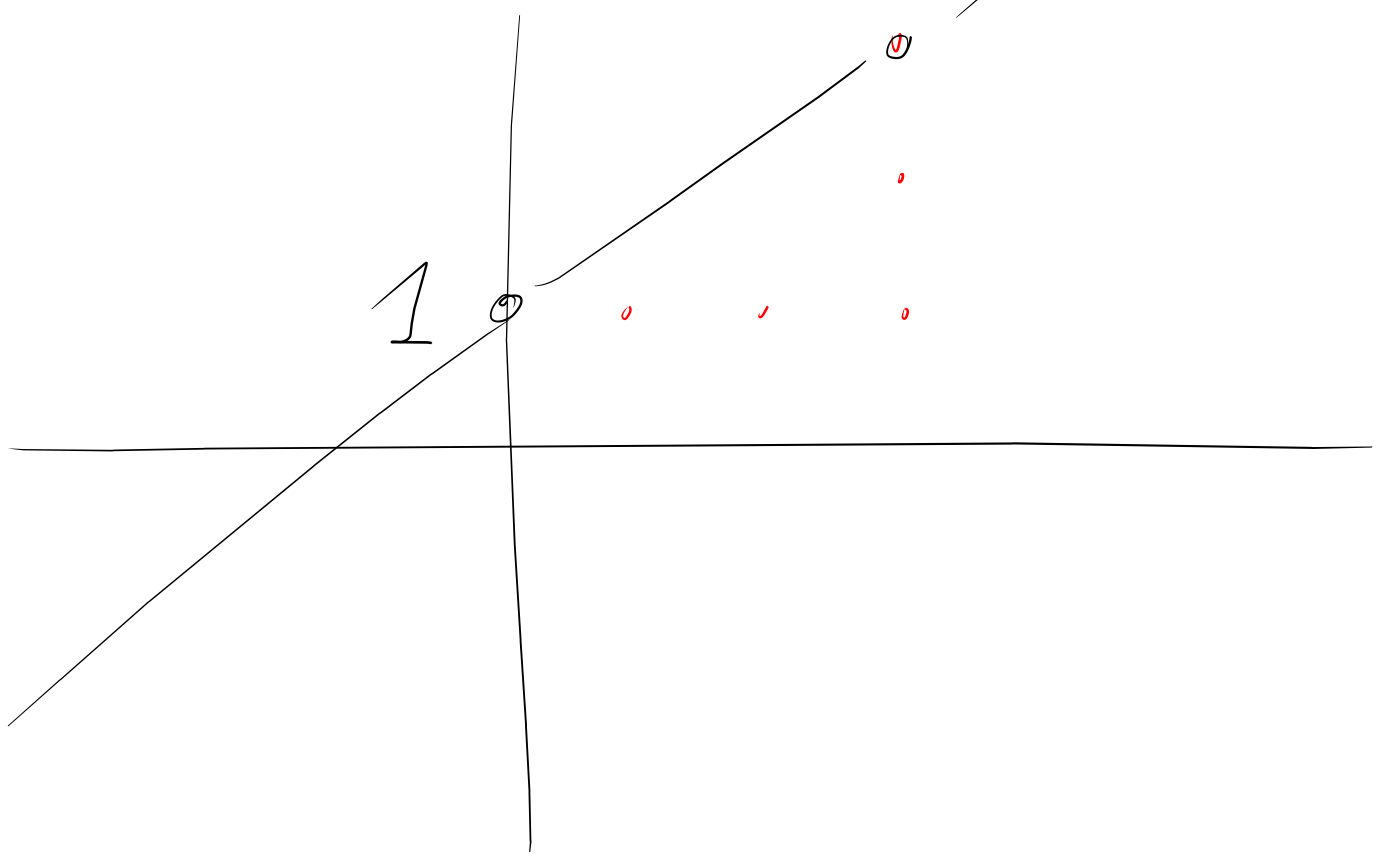


$-5 \leq x \leq 5$

$-5 \leq y \leq 5$

$$f(x) = \frac{2}{3}x + 1$$



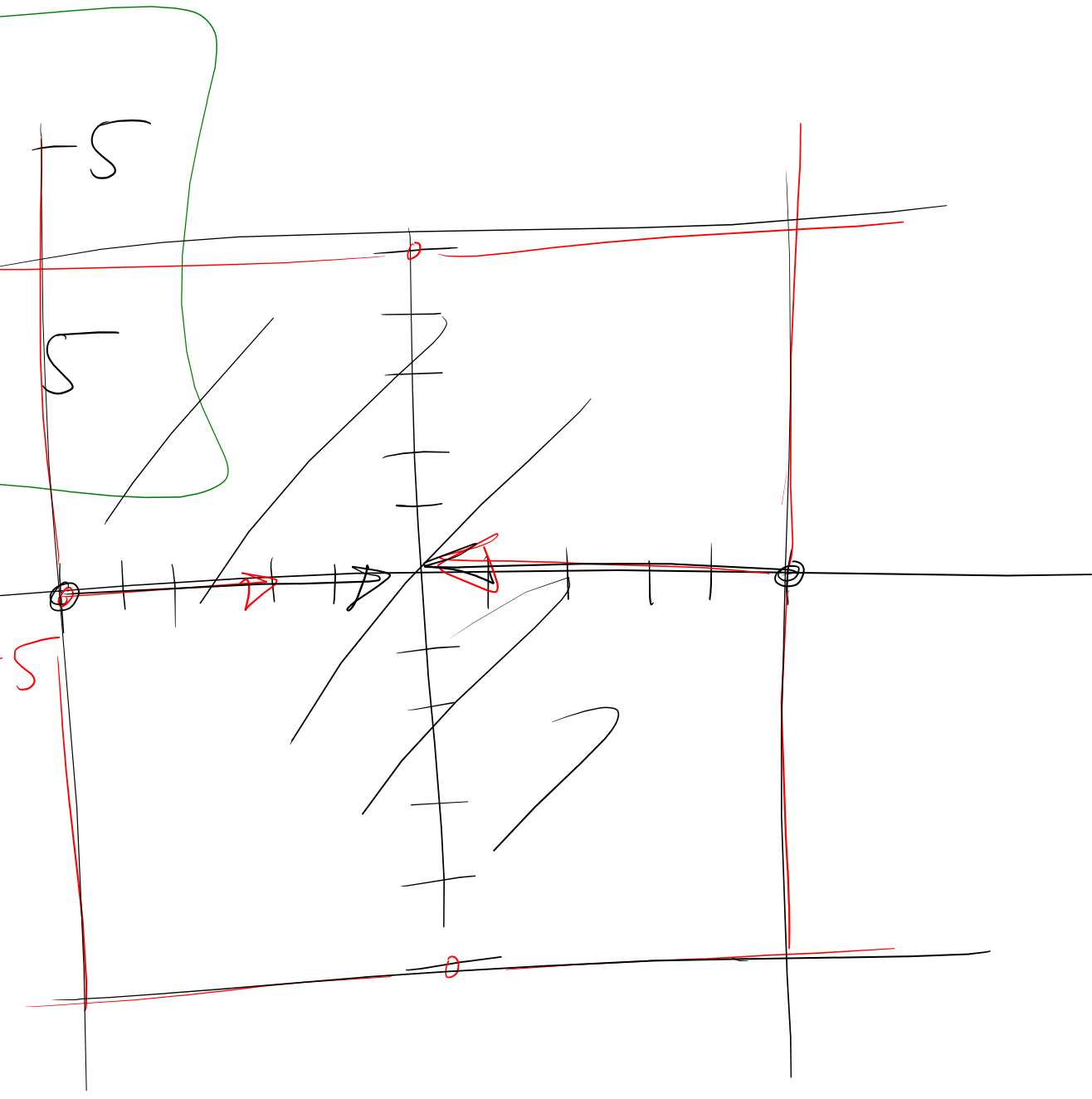


$x \geq -5$

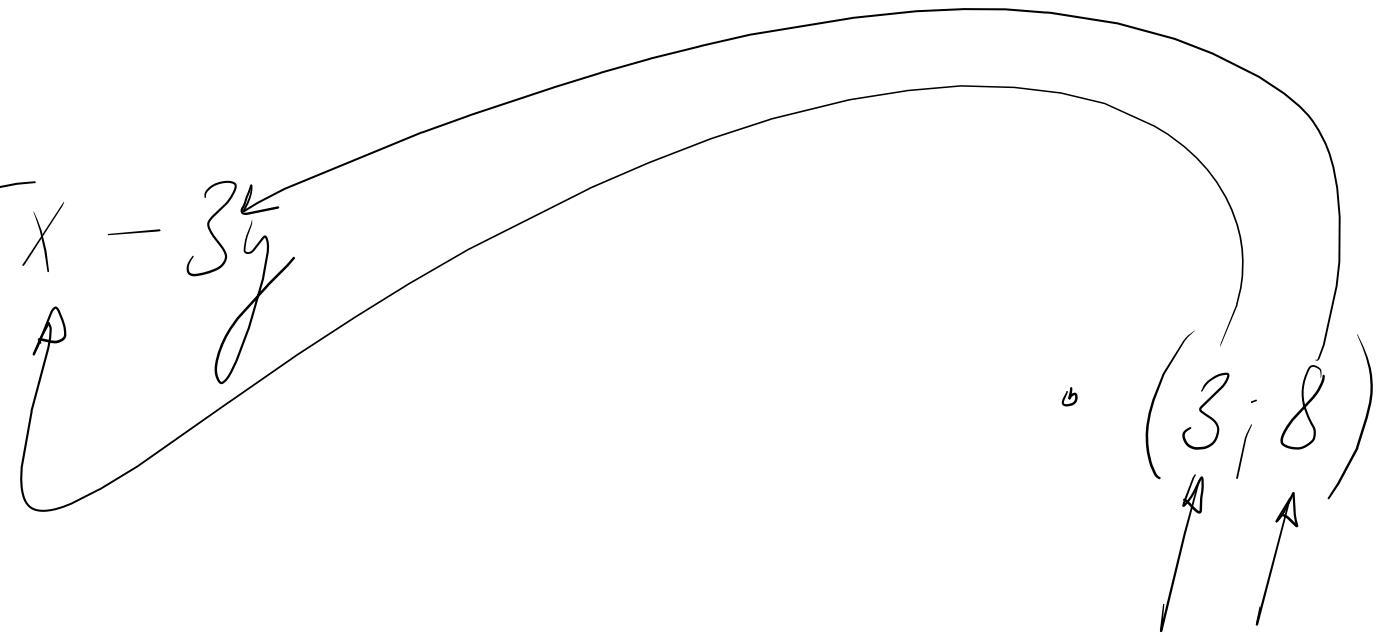
$x \leq 5$

$y \geq -5$

$y \leq 5$



$$f(x;y) = 5x - 3y$$



$$= 5 \cdot 3 - 3 \cdot 8 = 15 - 24$$

$$= -9$$