

1.1.1

a)  $2x + 3y - 12 < 0$

Inéquation

passage à une équation

$$2x + 3y - 12 = 0$$

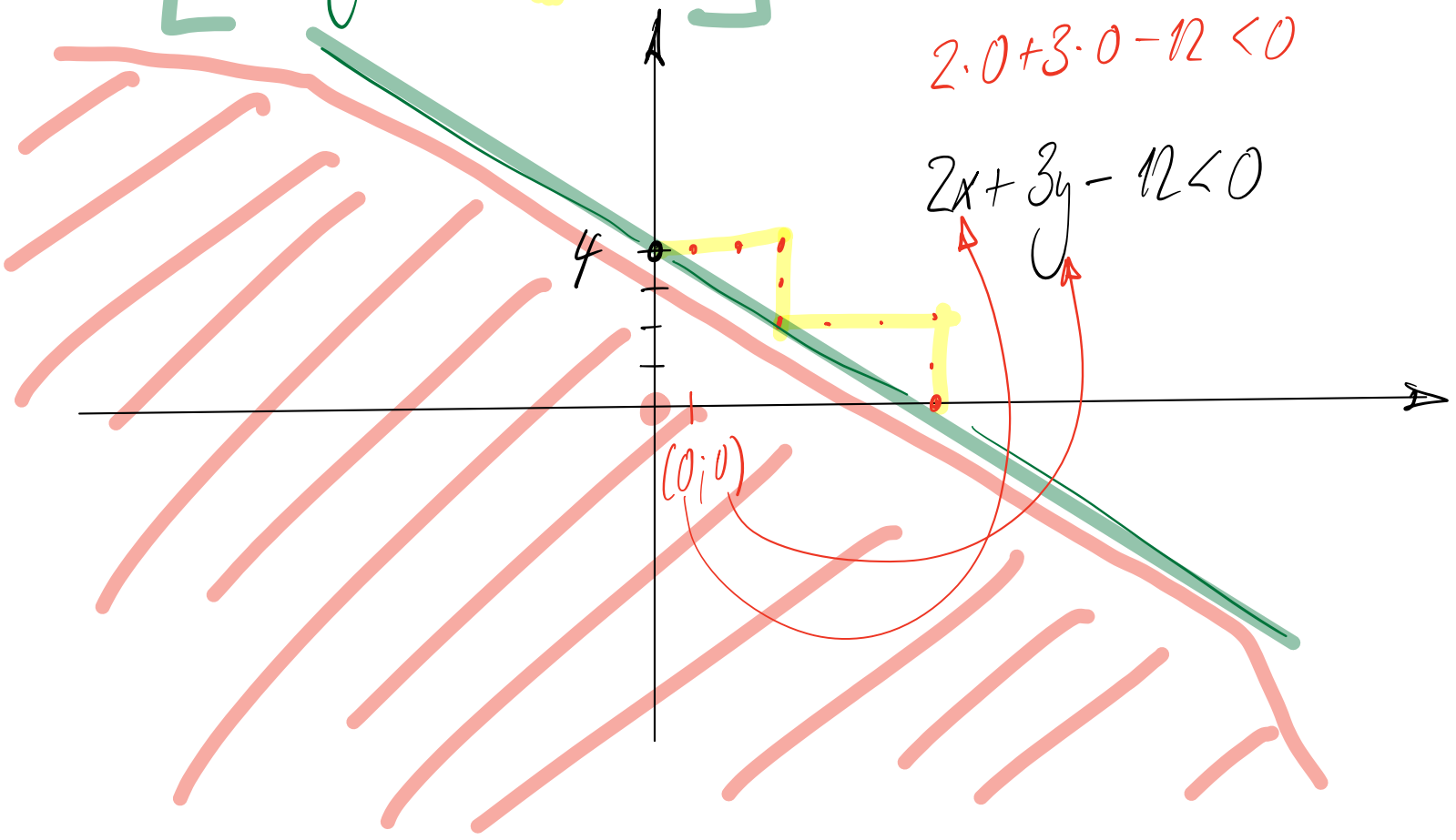
$$3y = -2x + 12$$

$$y = -\frac{2}{3}x + 4$$

$-12 < 0$  ✓

$2 \cdot 0 + 3 \cdot 0 - 12 < 0$

$2x + 3y - 12 < 0$



$$6) \frac{1}{2}x - 3y = 0$$

$$0,5x = 3y$$

$$\frac{1}{2}x = 3y \quad \downarrow \div 3$$

$$y = \frac{0,5}{3}x = \frac{1}{6}x$$

$$y = 0,1\bar{6}x$$

$$y = \frac{\frac{1}{2}x}{3} = \frac{1}{2}x \cdot \frac{1}{3} = \frac{1}{2} \cdot \frac{1}{3}x = \frac{1}{6}x$$

$$\frac{1 \cdot 0 - 3 \cdot 1}{2} \geq 0$$

$$-3 \geq 0$$

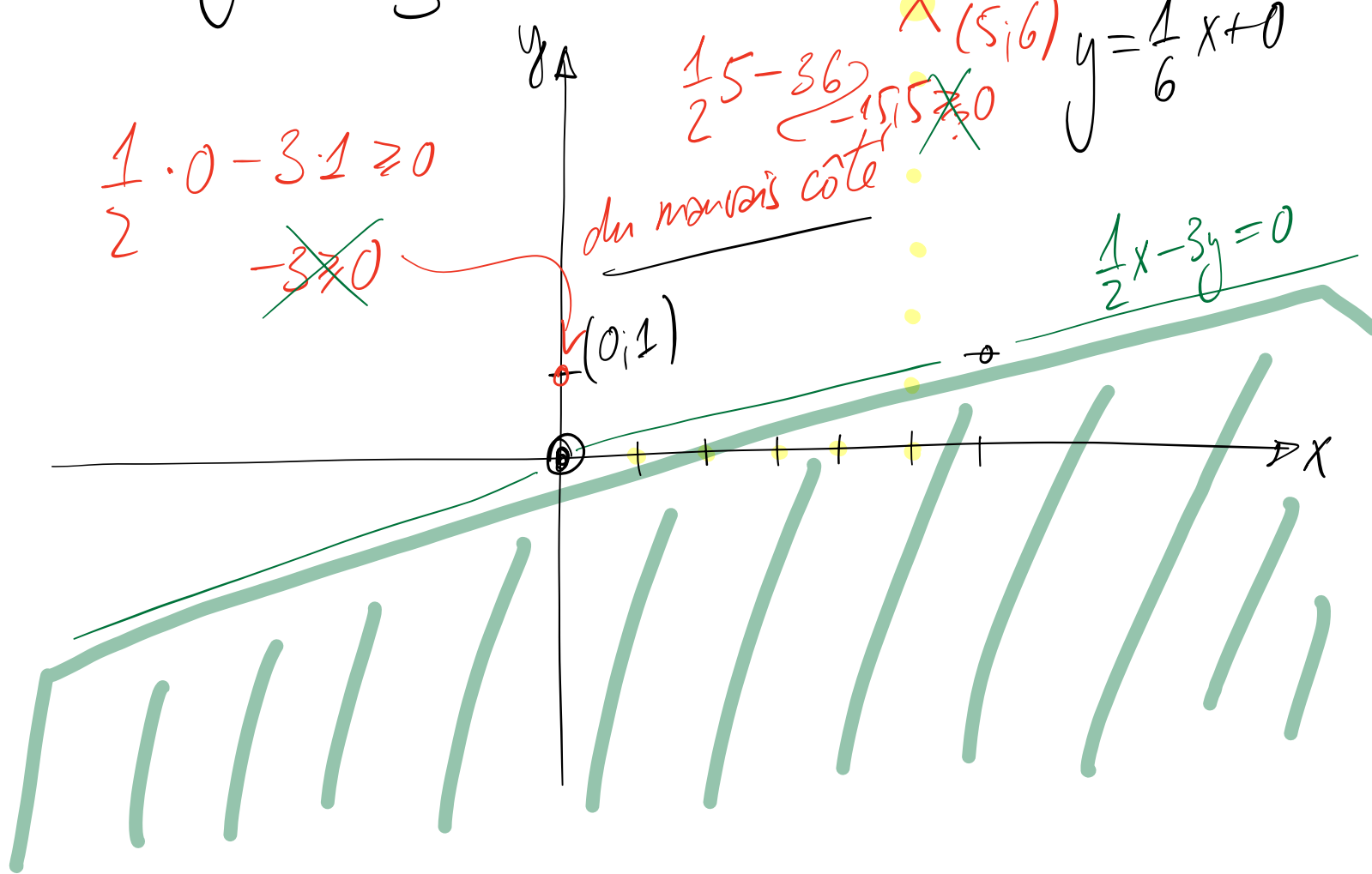
$$\frac{1 \cdot 5 - 3 \cdot 6}{2} = \frac{-15}{2} \neq 0$$

$$y = \frac{1}{6}x + 0$$

du mauvais côté

(0; 1)

$$\frac{1}{2}x - 3y = 0$$



1.1.2

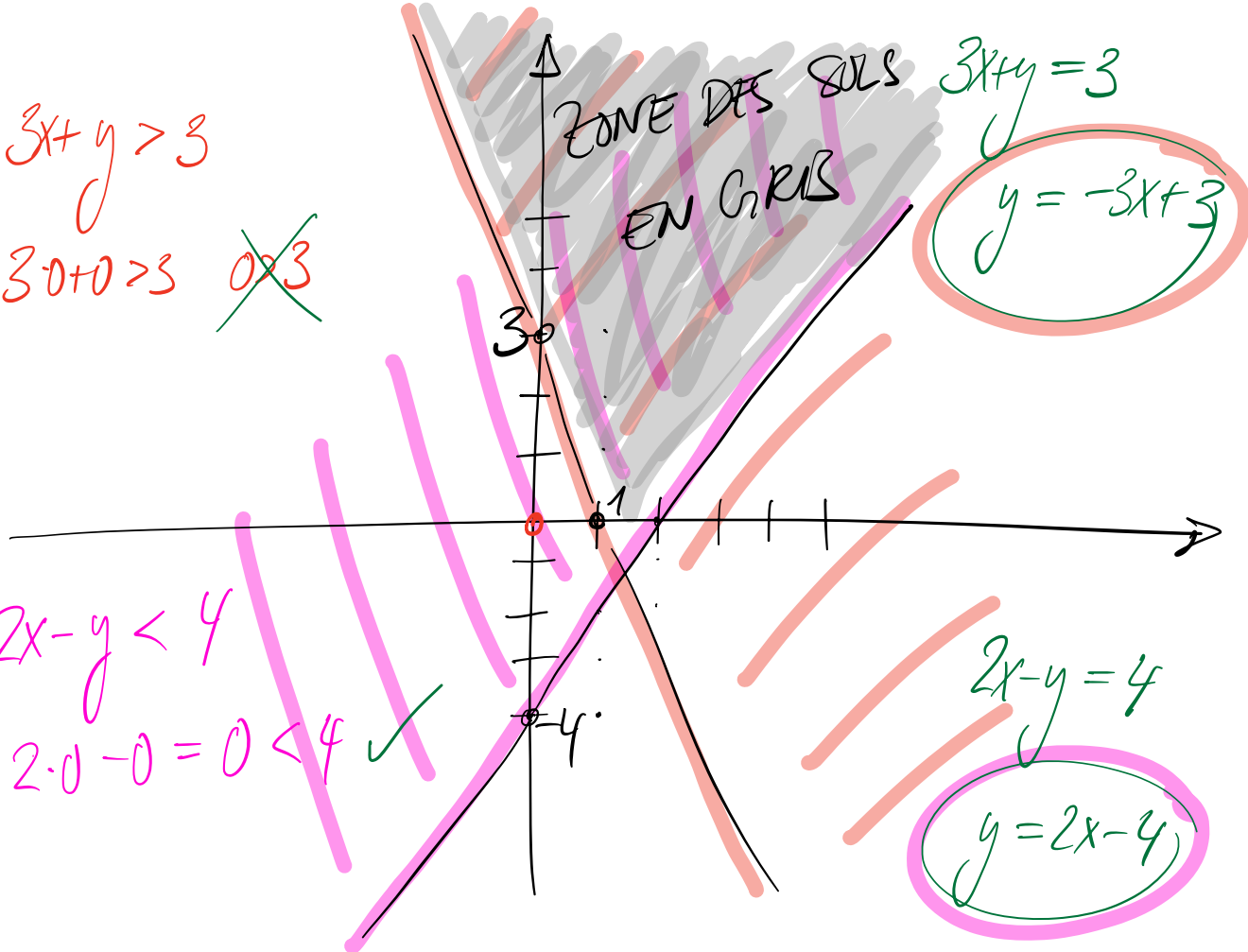
$$3x + y > 3$$

a)

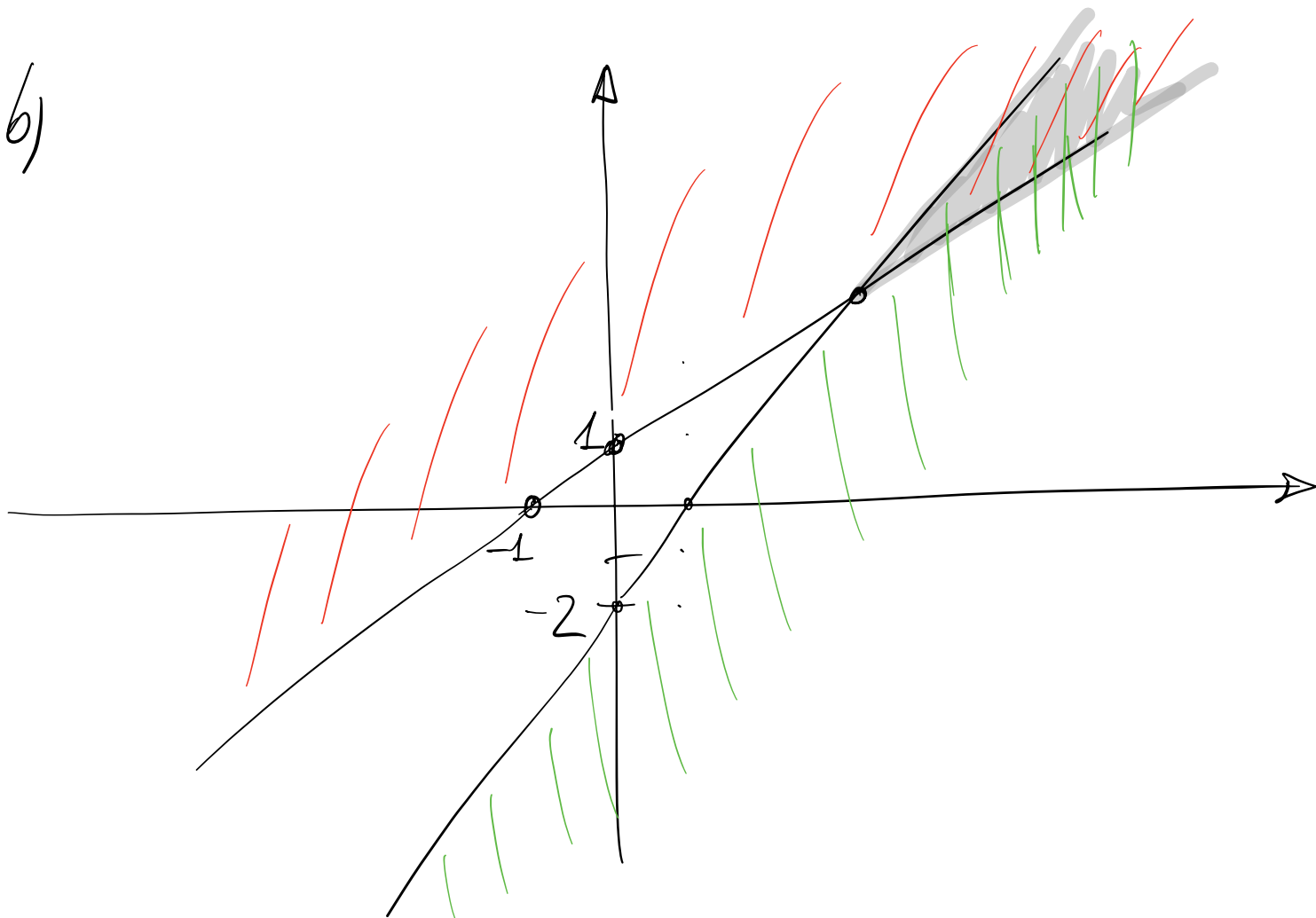
$$3 \cdot 0 + 0 > 3 \quad \times 3$$

$$2x - y < 4$$

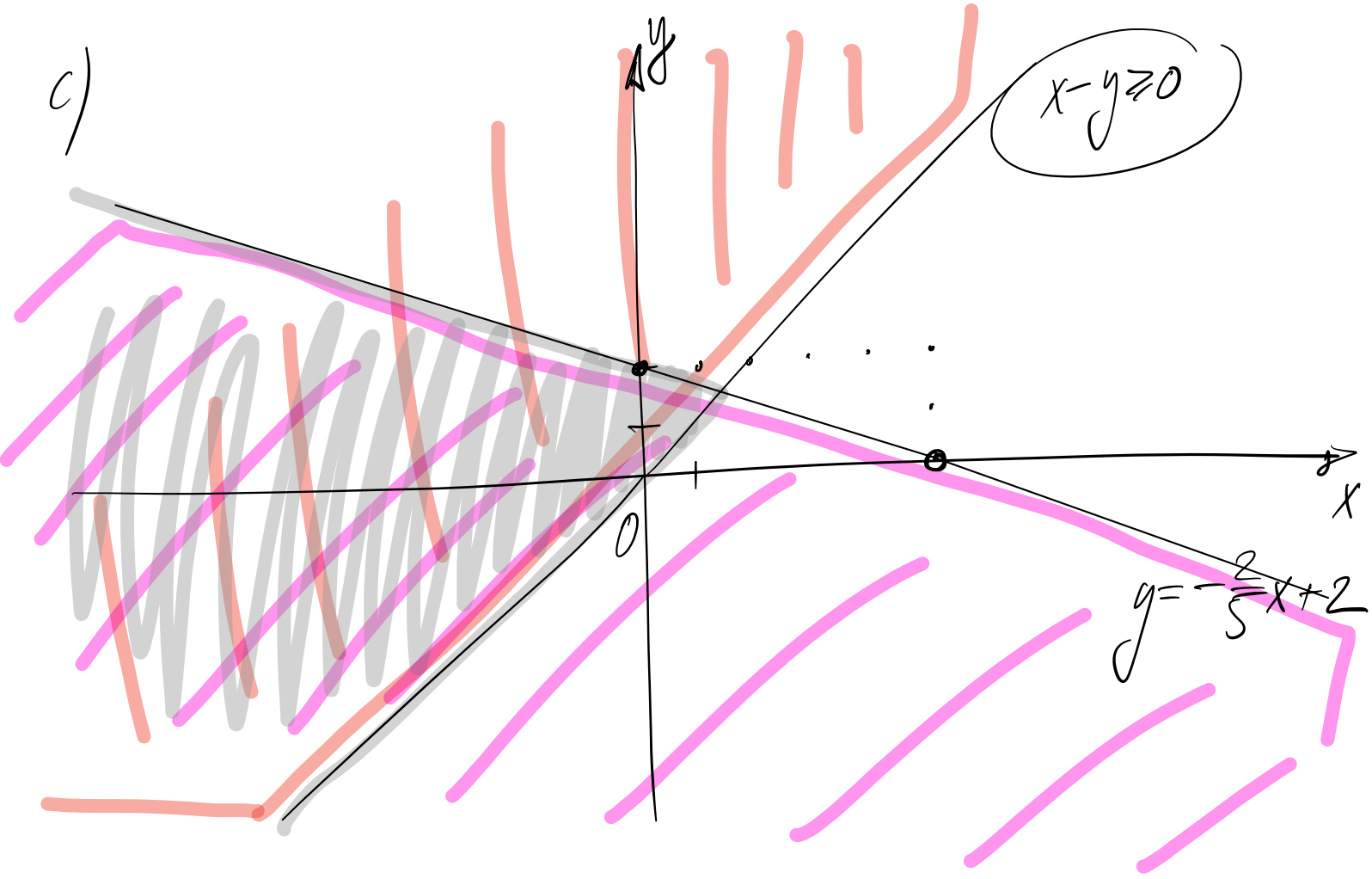
$$2 \cdot 0 - 0 = 0 < 4 \quad \checkmark$$



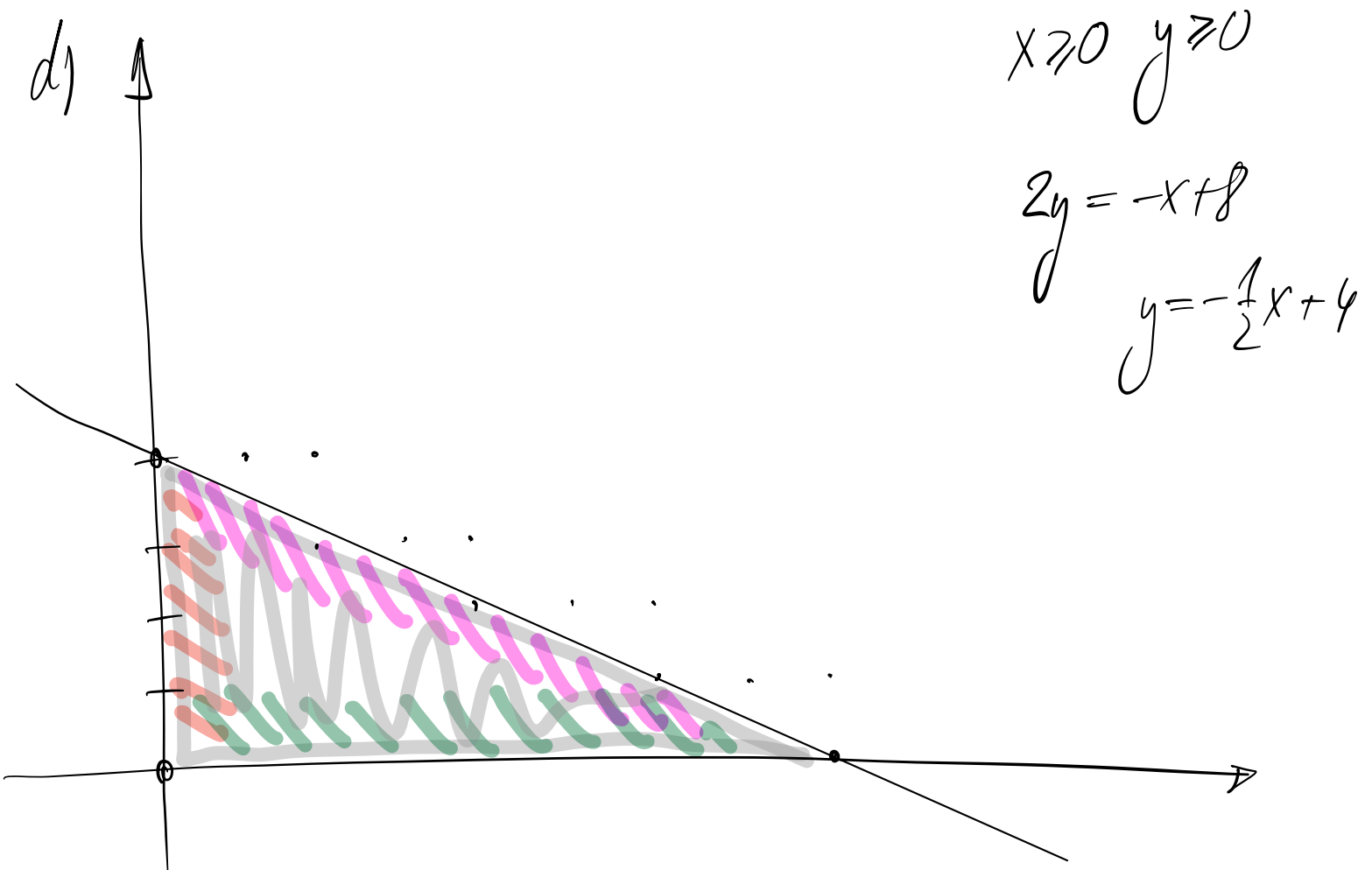
b)



c)



d)



e)

