TE de février

28 II 2024

- Inéquations 5.36 / 5.37 / 5.38
- Fonctions affines 8.1 à 8.9
- Systèmes d'équations 9.1 à 9.4

$$3\cdot\frac{90}{19}-5\cdot\frac{16}{19}=\frac{270-80}{19}=\frac{190}{19}=10\ \checkmark$$

$$\begin{aligned} 3x-5y&=10 \quad\Big|\cdot 2\\ 2x+3y&=12 \quad\Big|\cdot 3 \end{aligned}$$

$$\begin{aligned} 6x-10y&=20\\ -\quad 6x+9y&=36\\ \hline -19y&=-16 \end{aligned}$$

$$y=\frac{-16}{-19}=\frac{16}{19}$$

$$\begin{aligned} 3\cdot\quad 9x-15y&=30\\ +\quad 10x+15y&=60\\ \hline 19x+0y&=90 \end{aligned}$$

$$x=\frac{90}{19}$$

$$\boxed{\begin{aligned} x&=\frac{90}{19}\\ y&=\frac{16}{19}\end{aligned}}$$

$$2\cdot\frac{90}{19}+3\cdot\frac{16}{19}=\frac{180+48}{19}=\frac{228}{19}=\frac{2\cdot 114}{19}=\frac{2\cdot 2\cdot 57}{19}=\frac{2\cdot 2\cdot 3\cdot 19}{19}=12\ \checkmark$$

$3/5 = \frac{3}{5}$

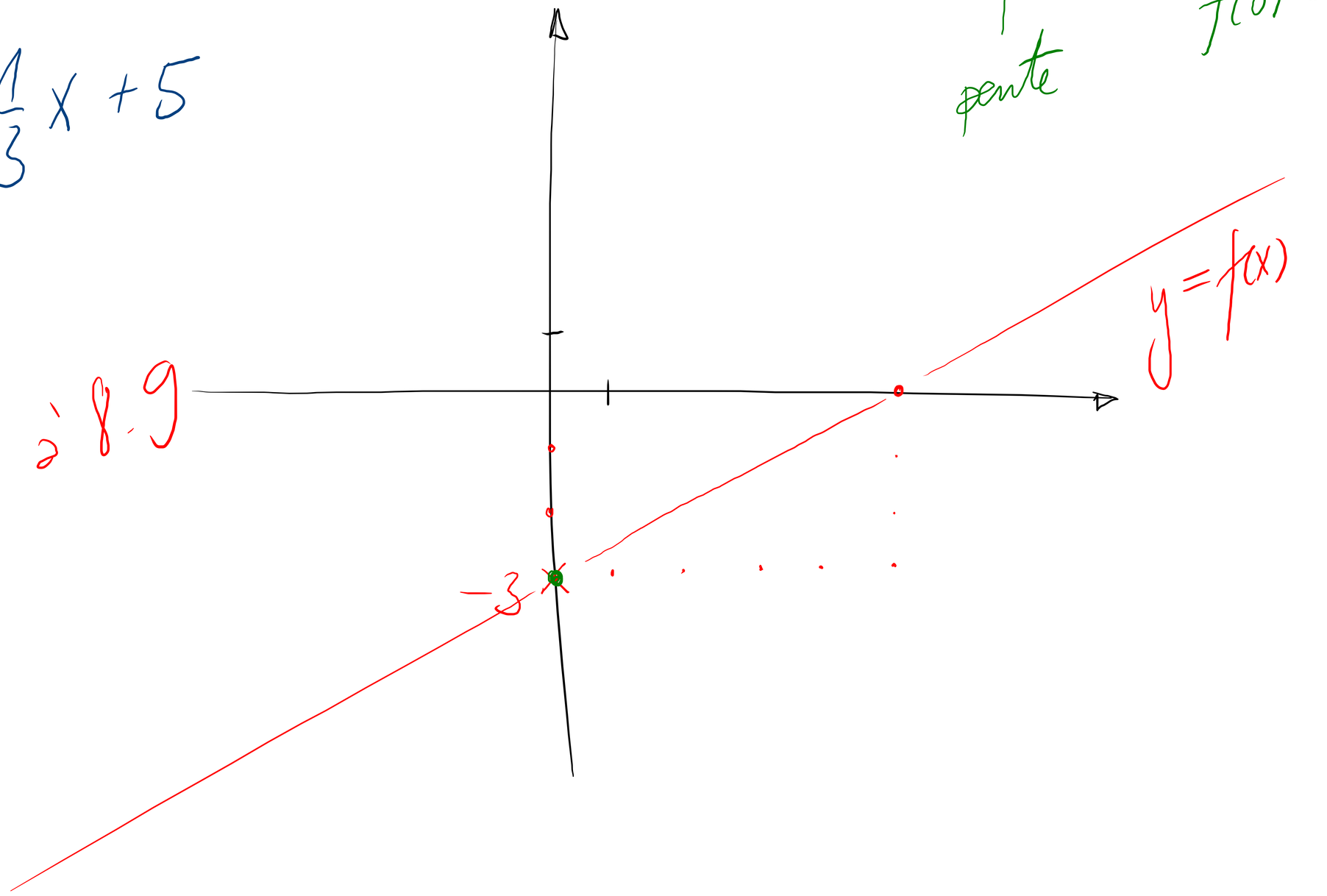
$f(x) = \frac{3}{5}x - 3$ AXE VERTICAL

pente

$f(0) = -3$

0.0

$g(x) = -\frac{1}{3}x + 5$



8.1 à 8.9

EXERCICES

$$-\frac{3}{4} = \boxed{\frac{-3}{4}} = \frac{3}{-4}$$

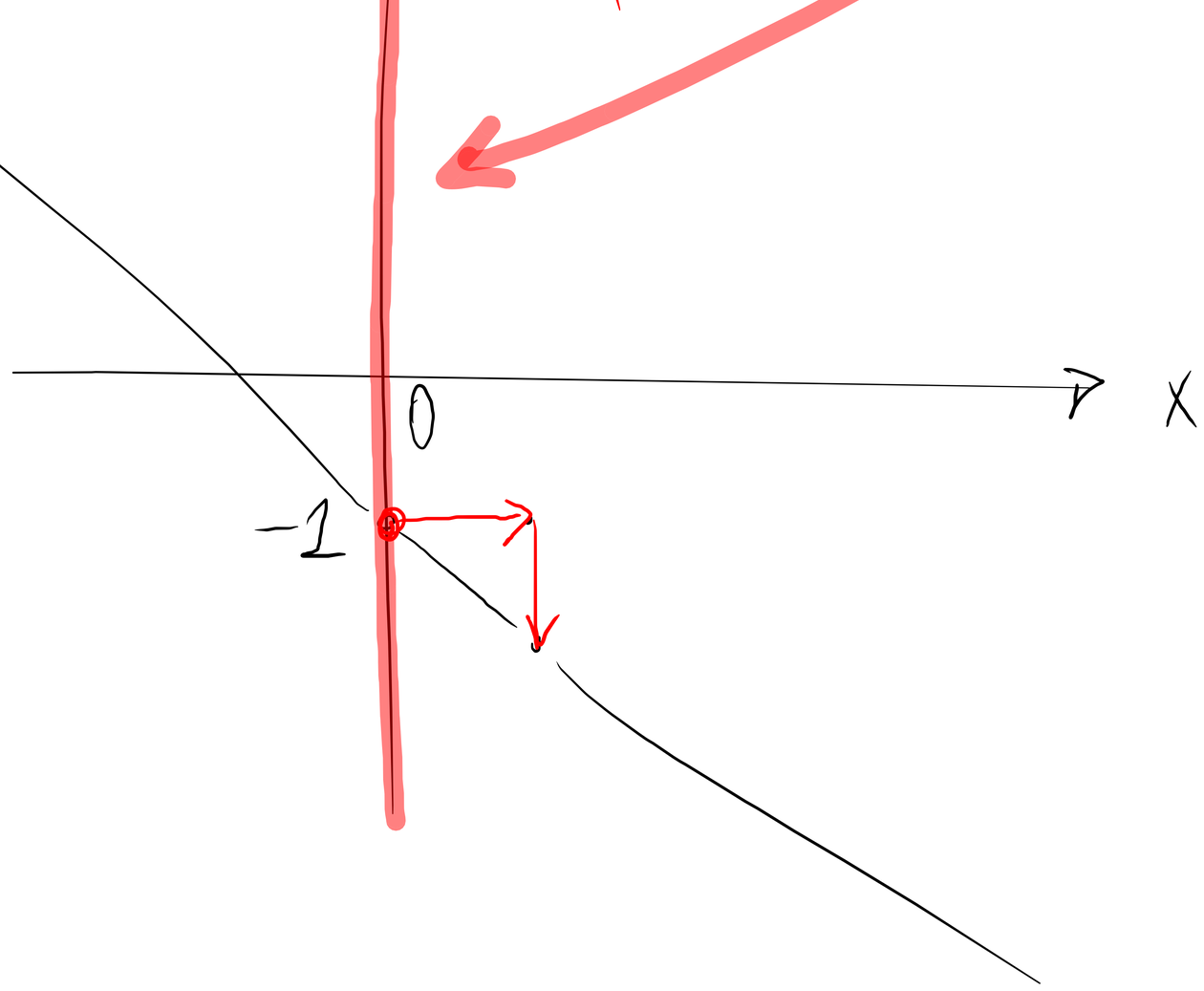
$$\frac{-3}{-4} = +\frac{3}{4}$$

$$-x\,(-1) = -\frac{1}{1} \cdot x \cdot (-1)$$

0.0

$$-1x = \boxed{-\frac{1}{1}}x = \frac{-1}{1}x$$

pente

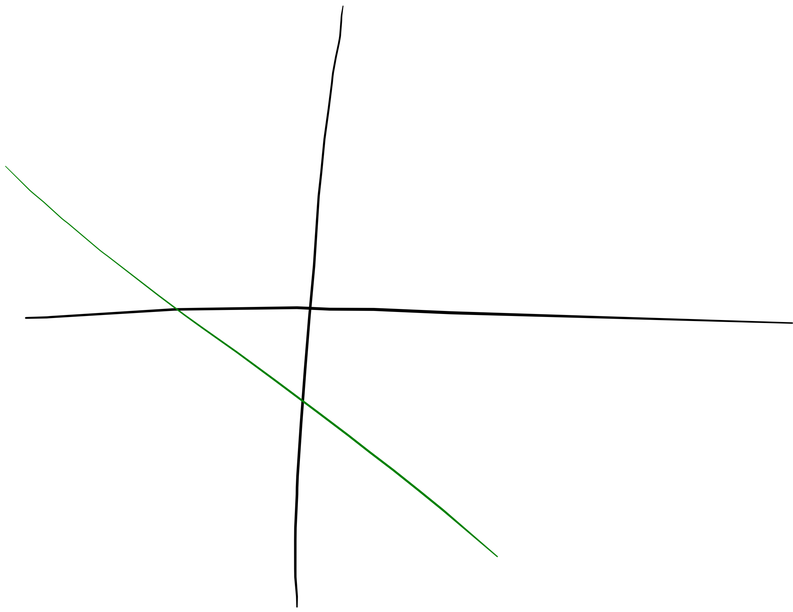


$f(x) = 8x + 11$

$f(2) = 8 \cdot 2 + 11$

Graphe

Algèbre



$f(x) = 2x + 6$