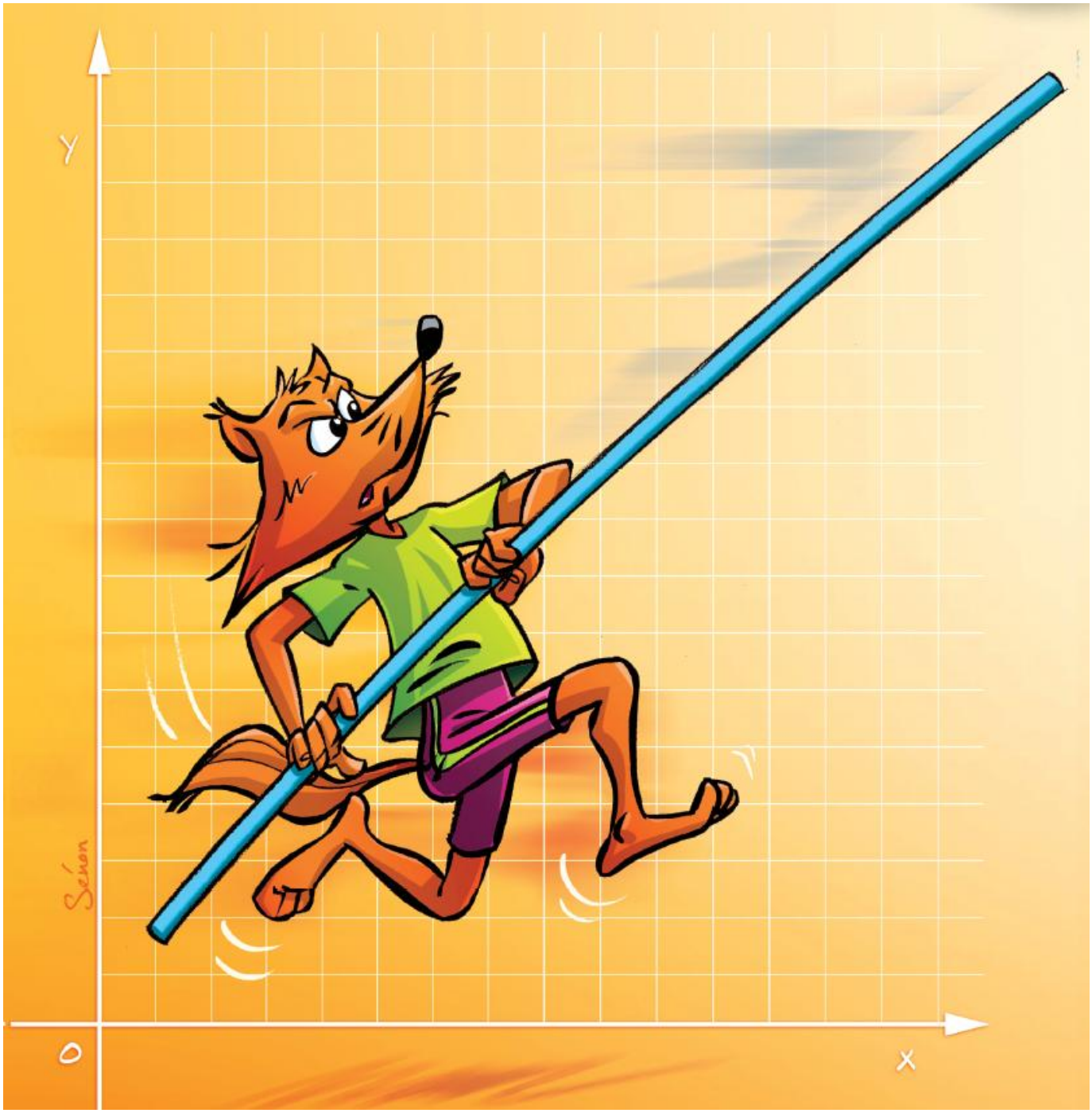
Histoire de droites ...



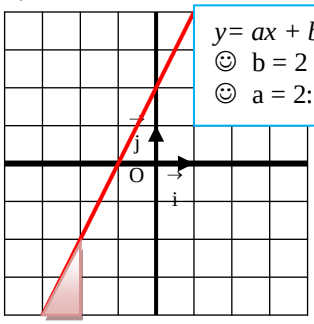
Exercices

association formule et graphique

Série 18 : **Equations de droites :**

Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

1.

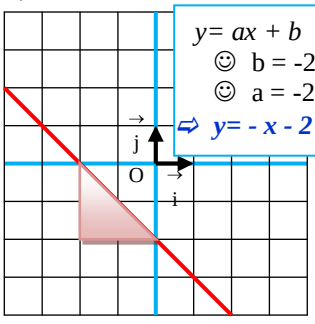


$y = ax + b$
☺ b = 2
☺ a = 2:1

$f : x \to f(x) = ax + 2$

y = ***y= 2x + 2***……

2.

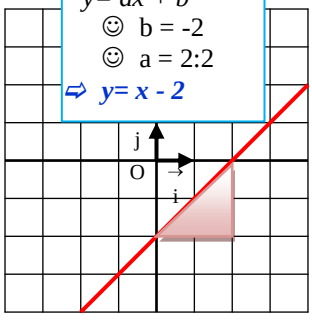


$y = ax + b$
☺ b = -2
☺ a = -2:2
⇨ ***y= - x - 2***

$f : x \to f(x) = ax - 2$

y = ***y= -x - 2***……

3.

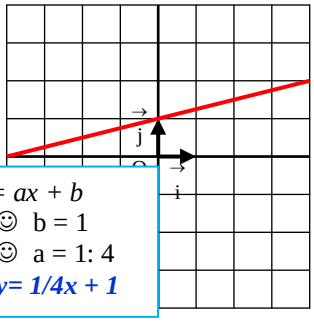


$y = ax + b$
☺ b = -2
☺ a = 2:2
⇨ ***y= x - 2***

$f : x \to f(x) = ax + 2$

y = ***x - 2***….

4.

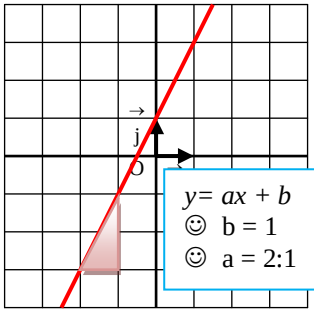


$y = ax + b$
☺ b = 1
☺ a = 1: 4
⇨ ***y= 1/4x + 1***

$f : x \to f(x) = ax + 1$

y = ***1/4x + 1***

5.

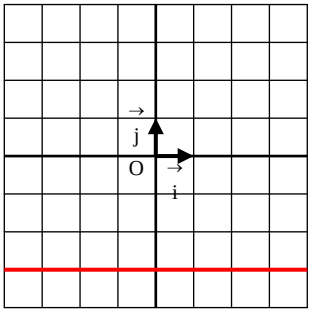


$y = ax + b$
☺ b = 1
☺ a = 2:1

$f : x \to f(x) = ax + 1$

$y = 2x + 1$…….

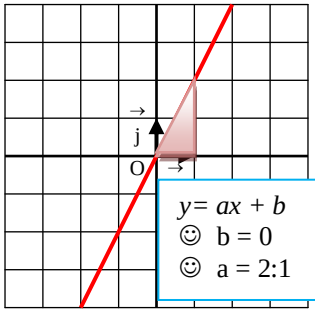
6.



$f : x \to f(x) = b$

$y = -3$.

7.

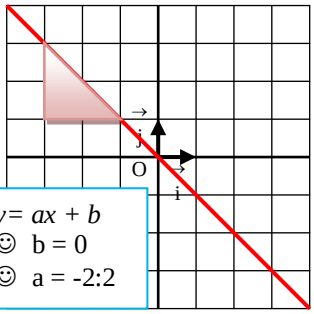


$y = ax + b$
☺ b = 0
☺ a = 2:1

$f : x \to f(x) = ax$

$y = 2x$.

8.

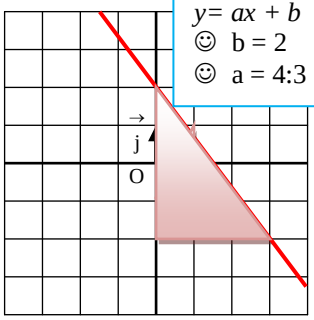


$y = ax + b$
☺ b = 0
☺ a = -2:2

$f : x \to f(x) = ax$

$y = -x$

9.

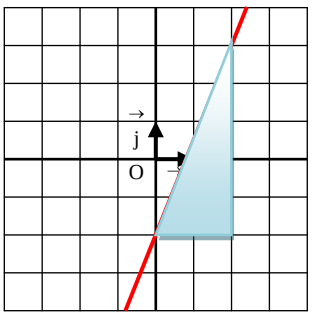


$y = ax + b$
☺ b = 2
☺ a = 4:3

$f : x \to f(x) = ax + 2$

$y = -4/3\ x + 2$…….

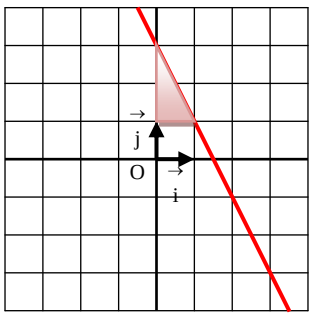
10.



$f : x \to f(x) = ax - 2$

$y = 5/2\ x - 2$…….

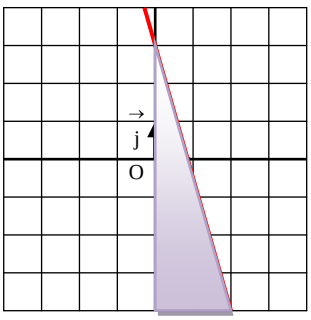
11.



$f : x \to f(x) = ax + 3$

$y = -2x + 3$….

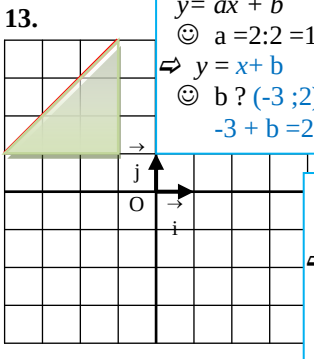
12.



$f : x \to f(x) = ax + 3$

$y = -3{,}5\ x + 3$

13.

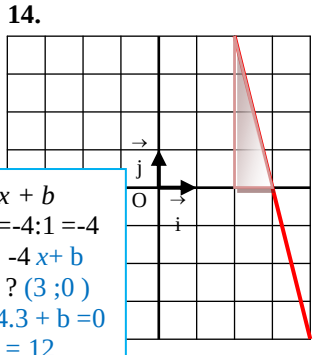


$y = ax + b$
☺ a =2:2 =1
⇨ $y = x + b$
☺ b ? (-3 ;2)
-3 + b =2

$f : x \to y = x + 5$

$y = x + b$…….
(-3 ;2)
-3 + b =2

14.

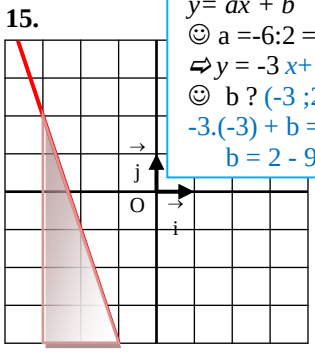


$y = ax + b$
☺ a =-4:1 =-4
⇨ $y = -4x + b$
☺ b ? (3 ;0)
-4.3 + b =0
b = 12

$f : x \to y = -4x + b$

$y = -4x + 12$ ……

15.

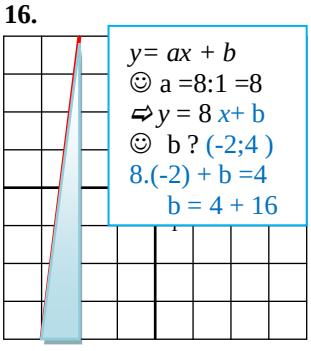


$y = ax + b$
☺ a =-6:2 =-3
⇨$y = -3x + b$
☺ b ? (-3 ;2)
-3.(-3) + b =2
b = 2 - 9

$f : x \to y = -3x + b$……

$y = -3x - 7$…….

16.



$y = ax + b$
☺ a =8:1 =8
⇨$y = 8x + b$
☺ b ? (-2;4)
8.(-2) + b =4
b = 4 + 16

$f : x \to y = 8x + b$…

$y = 8x + 20$