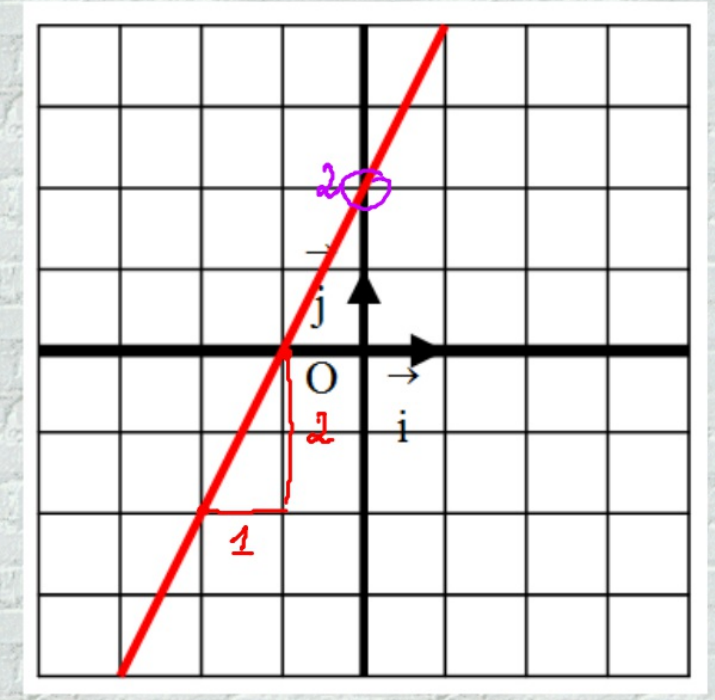
Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

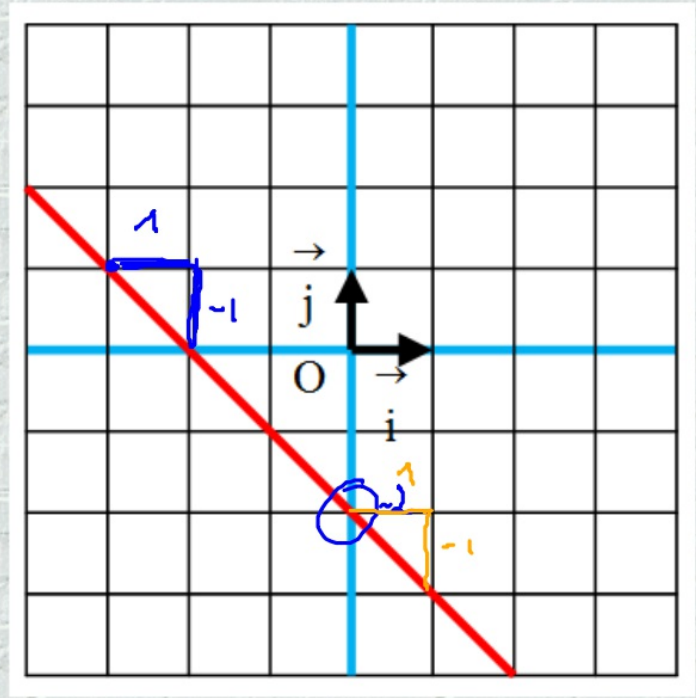


$y = ax + b$

b ? $b = 2 \Rightarrow y = ax + 2$

a ? $a = \frac{2}{1} = 2$

$\Rightarrow y = 2x + 2$



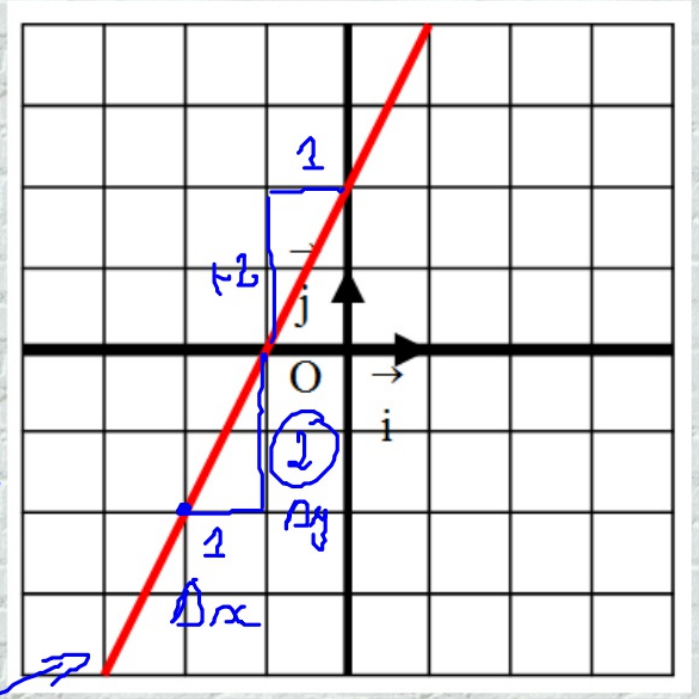
$y = ax + b$

b ? $y = ax - 2$

a ? $a = -1$

$\Rightarrow y = -x - 2$

Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :



$a = \frac{\Delta y}{\Delta x}$

$a = \frac{-2}{1}$

$a = -2$

$R \in d$

$y = ax - 2$

$= a.1 - 2 = -3$

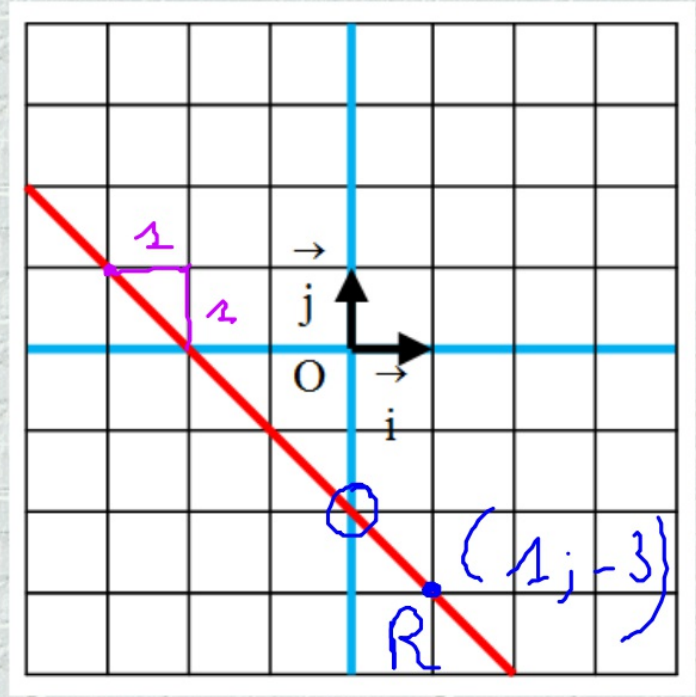
$a - 2 = -3$

$a = -3 + 2$

$a = -1$

$(1; -3)$

$x_R \quad y_R$



b?

a?

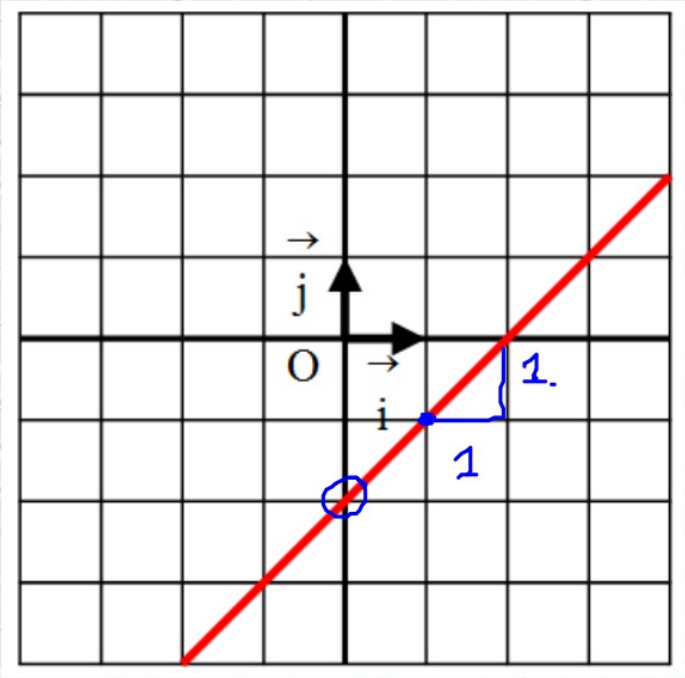
$y = ax - 2$

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

$y = \overset{?}{-1}x - 2$

$y = -x - 2$

Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

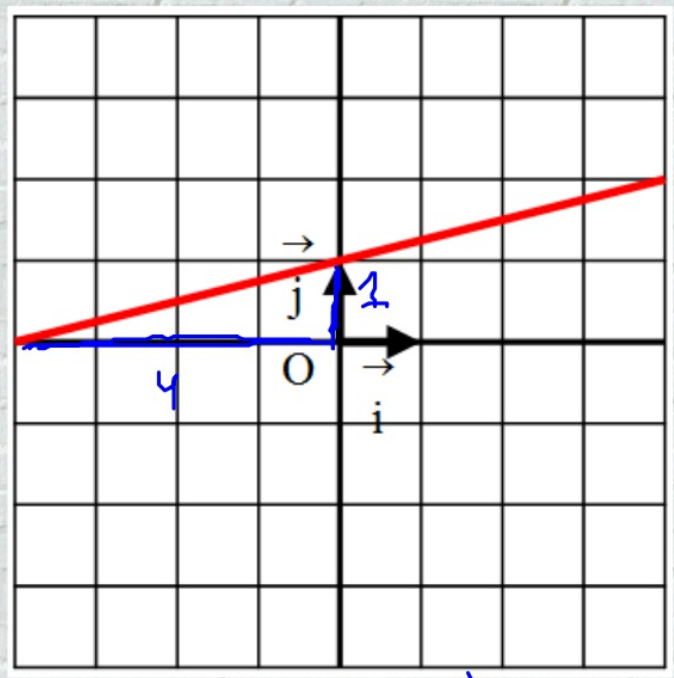


$y = ax + b$

b ? $y = ax - 2$

a $a = \frac{1}{1} = 1$

$\Rightarrow y = 1x - 2$



$y = ax + b$

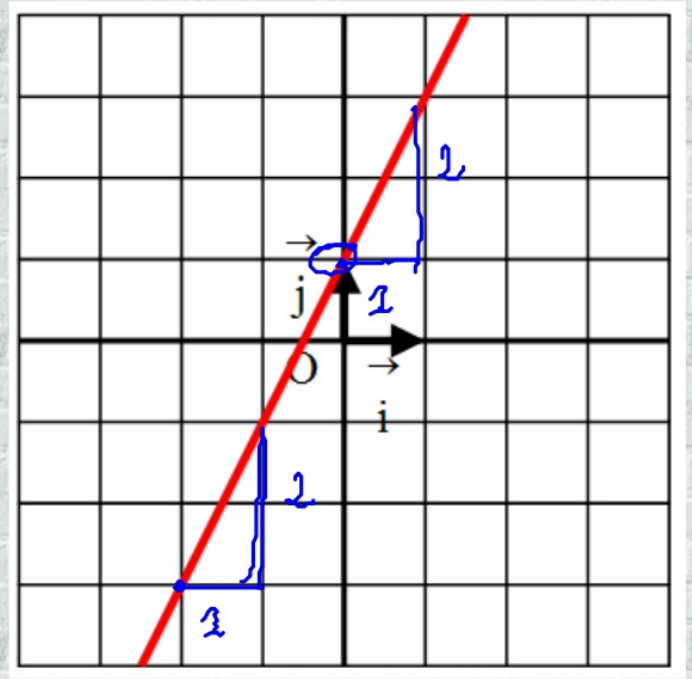
b ? $y = ax + 1$

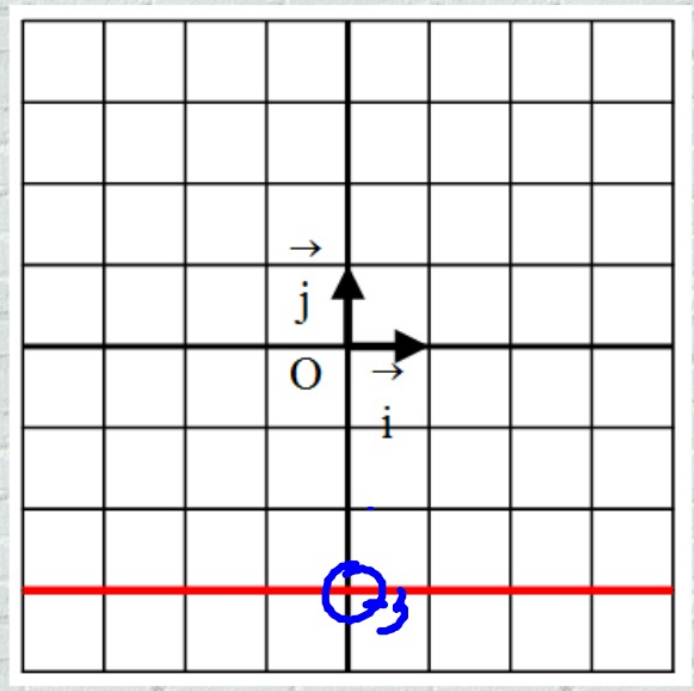
a ? $a = \frac{1}{4}$

$\Rightarrow y = \frac{x}{4} + 1$

Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

5)





b? $y = ax + 1$

a? $a = \frac{2}{1} = 2$

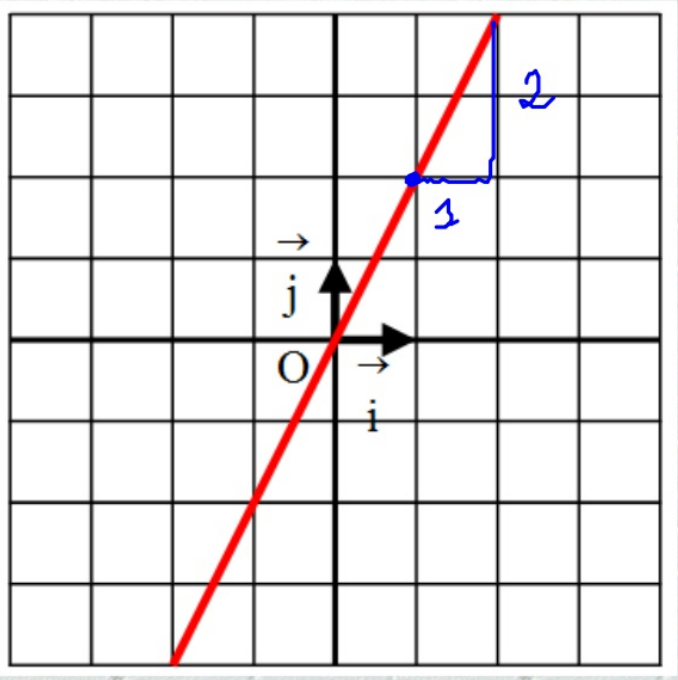
$\Rightarrow y = 2x + 1$

$y = b$ (fct cste)

$y = -3$

$x = k$ $k \in \mathbb{R}$

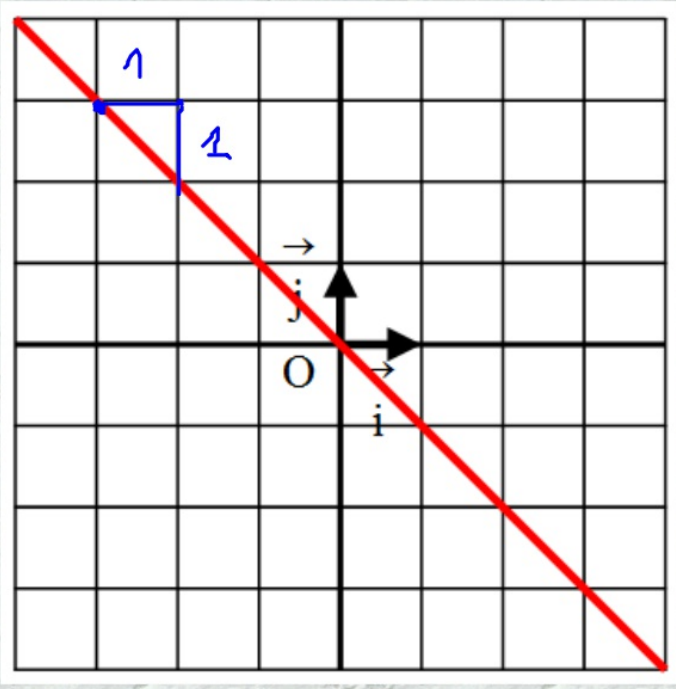
Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :



$y = ax$

$a ?$ $a = \frac{2}{1} = 2$

$y = 2x$



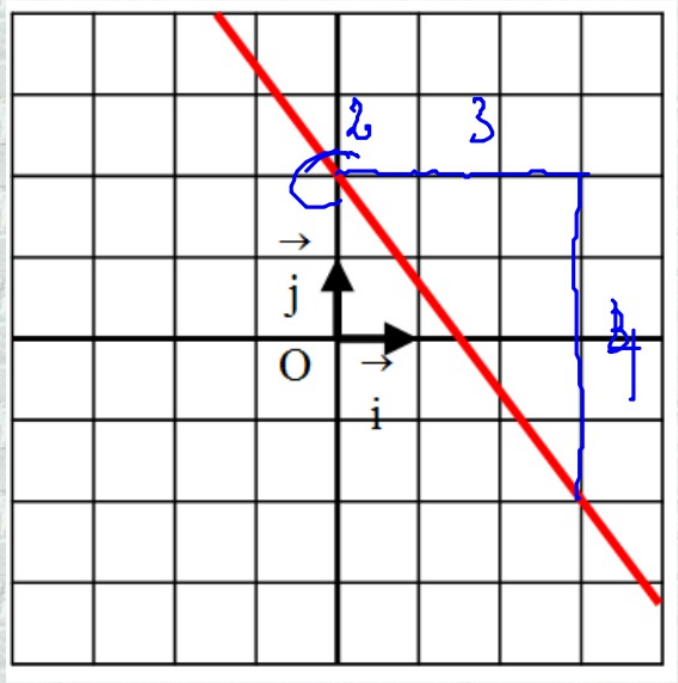
$y = ax$ où $a < 0$

$a ?$ $a = \frac{-1}{1} = -1$

$y = -x$

Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

9.

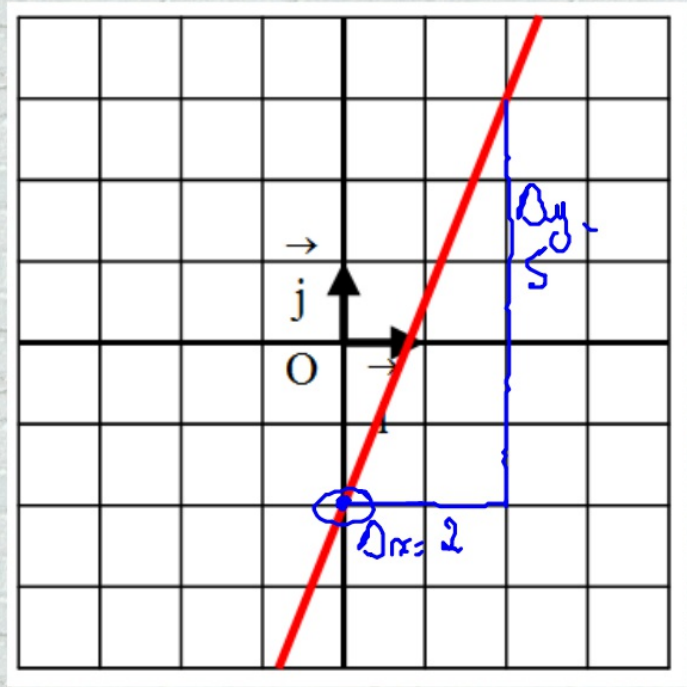


b? $y = ax + 2$

a? $a = \frac{-4}{3}$

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

10.



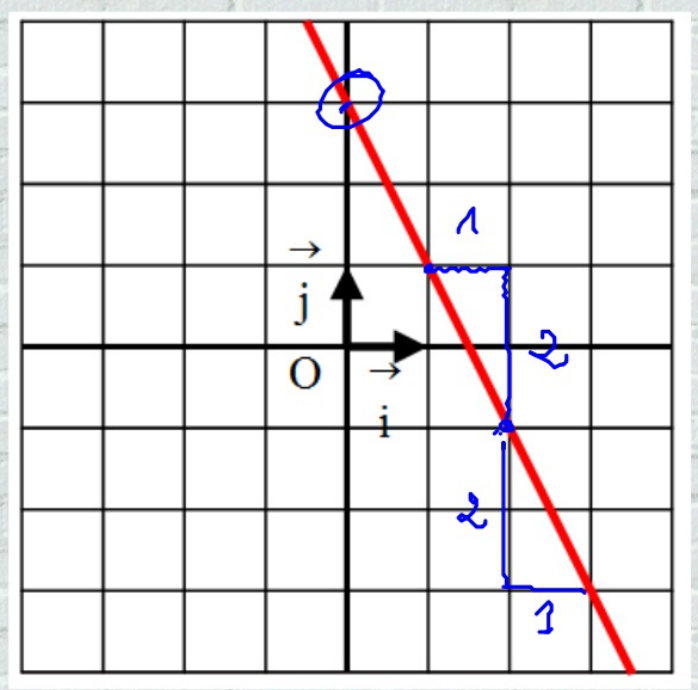
b? $y = ax - 2$

a? $a = \frac{5}{2}$

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

Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

11.

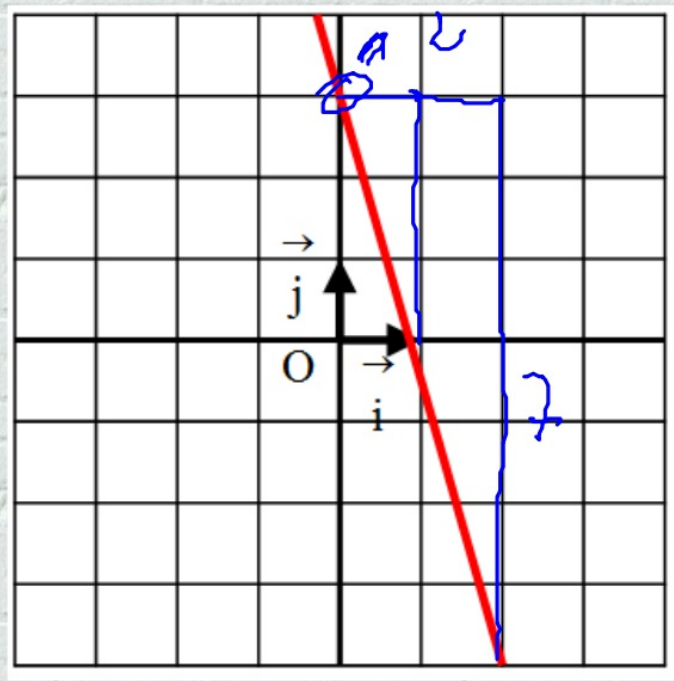


$b \Rightarrow y = ax + 3$

$a ? \quad a = \frac{-2}{1} = -2$

$\Rightarrow y = -2x + 3$

12.



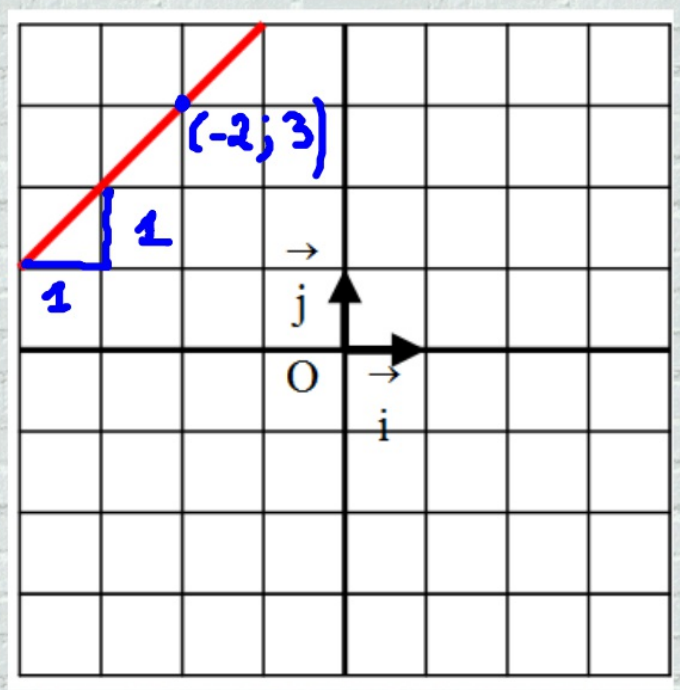
$b \Rightarrow y = ax + 3$

$a ? \quad a = \frac{-7}{2}$

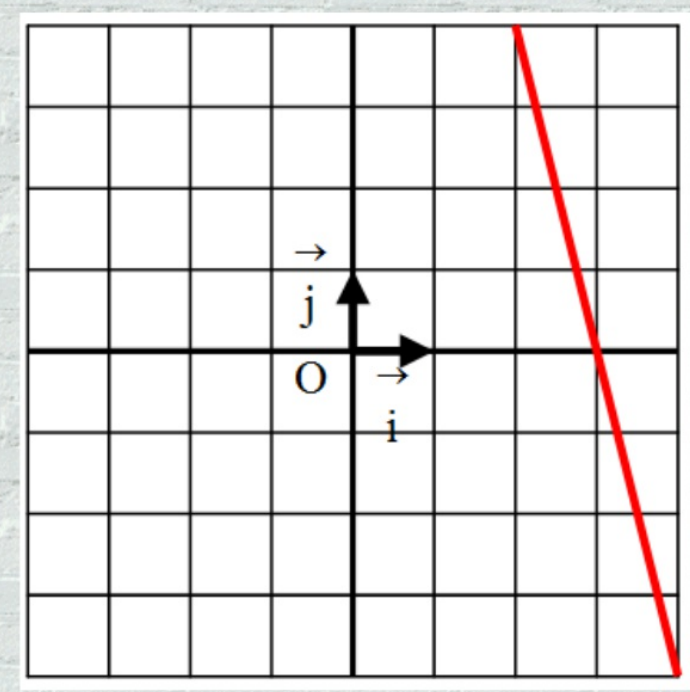
$\Rightarrow y = \frac{-7}{2}x + 3$

Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

13.



14.



$y = ax + b$

a ? $a = 1$

$\Rightarrow y = x + b$

b ? (-2 ; 3)

$-2 + b = 3$

$b = 3 + 2$

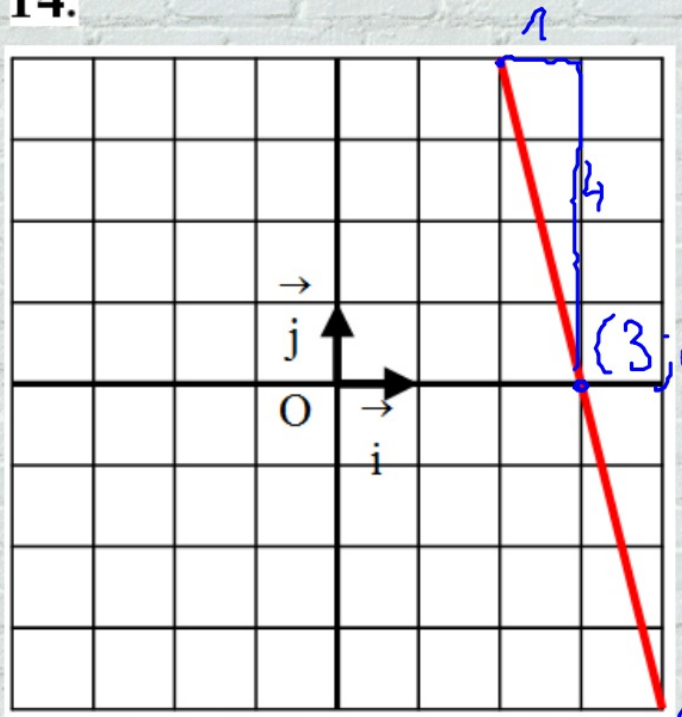
$b = 5$

$\Rightarrow y = x + 5$

Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

13.

14.



$y = ax + b$

a ? b ?

$a = \frac{-4}{1} = -4$

$\Rightarrow y = -4x + b$

b ? $(3;0) \in d$.

$-4 \cdot 3 + b = 0$

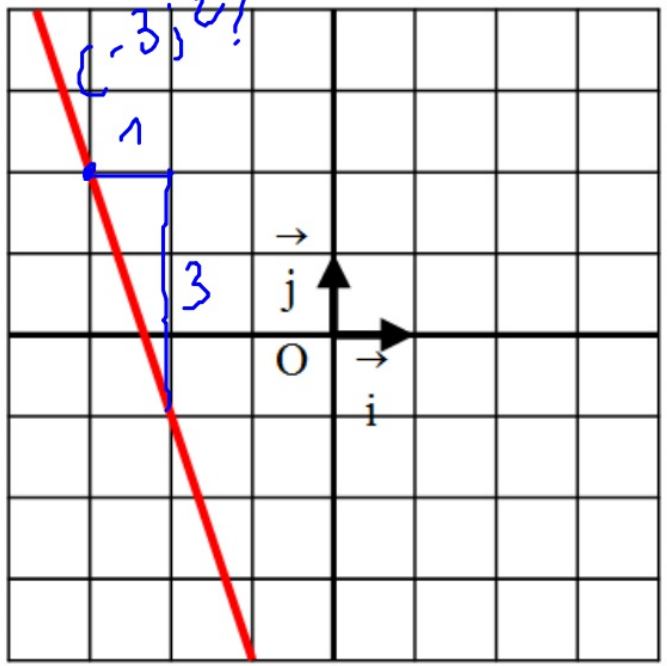
$-12 + b = 0$

$b = 12$

$\Rightarrow y = -4x + 12$

Série 18 Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

15.



$y = ax + b$

a ? $a = \frac{-3}{1} = -3$

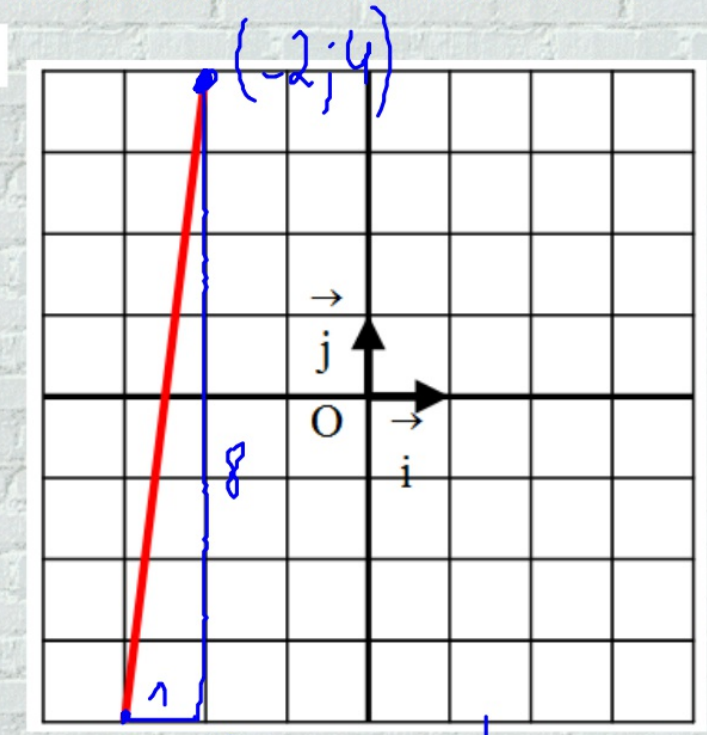
$\Rightarrow y = -3x + b$

b) $(-3;2)$ $-3.(-3) + b = 2$

$b = -7$

$\Rightarrow \boxed{y = -3x - 7}$

16.



$y = ax + b$

a ? $a = \frac{8}{1} = 8$

$\Rightarrow y = 8x + b$

b ? $(-2;4)$ $8.(-2) + b = 4$

$b = 20$

$\Rightarrow y = 8x + 20$.