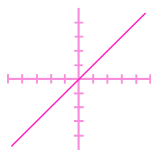




# Função Afim



## 1. Tipo

$f(x) = ax + b$ , com  $(a \neq 0)$  e  $a, b \in \mathbb{R}$

## 2. Coeficientes

$$f(x) = ax + b$$

**Coeficiente angular**

**Coeficiente linear**

## 3. Zero da função

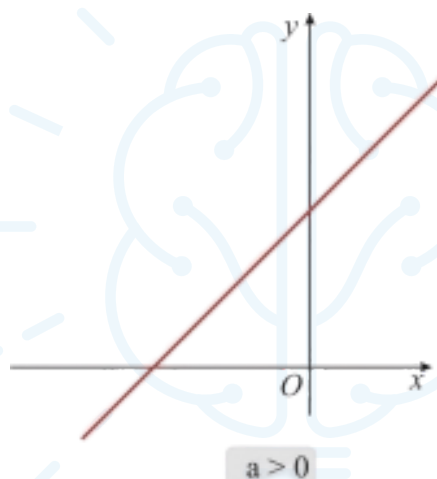
$$ax + b = 0$$

$$x = -b/a$$

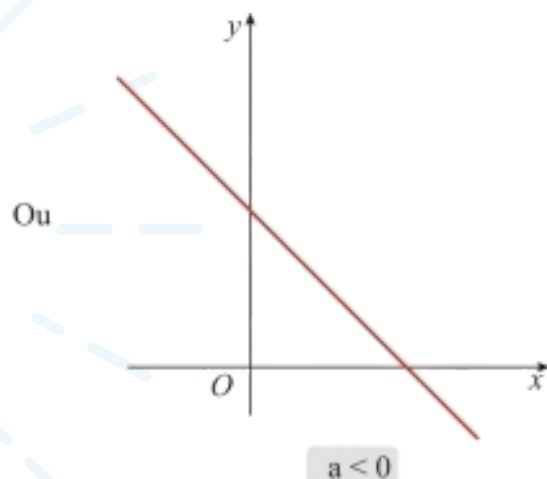
## 4. Gráfico

**! É uma reta**

- $a > 0$  crescente
- $a < 0$  decrescente
- O valor de "b" corta o eixo y  $\rightarrow (0, b)$
- interseção do eixo x  $\rightarrow$  raiz



$a > 0$



$a < 0$

## 5. Sinal

$$a > 0$$

$$f(x) > 0 \quad x > -b/a$$

$$f(x) = 0 \quad x = -b/a$$

$$f(x) < 0 \quad x < -b/a$$

$$a < 0$$

$$f(x) > 0 \quad x < -b/a$$

$$f(x) = 0 \quad x = -b/a$$

$$f(x) < 0 \quad x > -b/a$$

