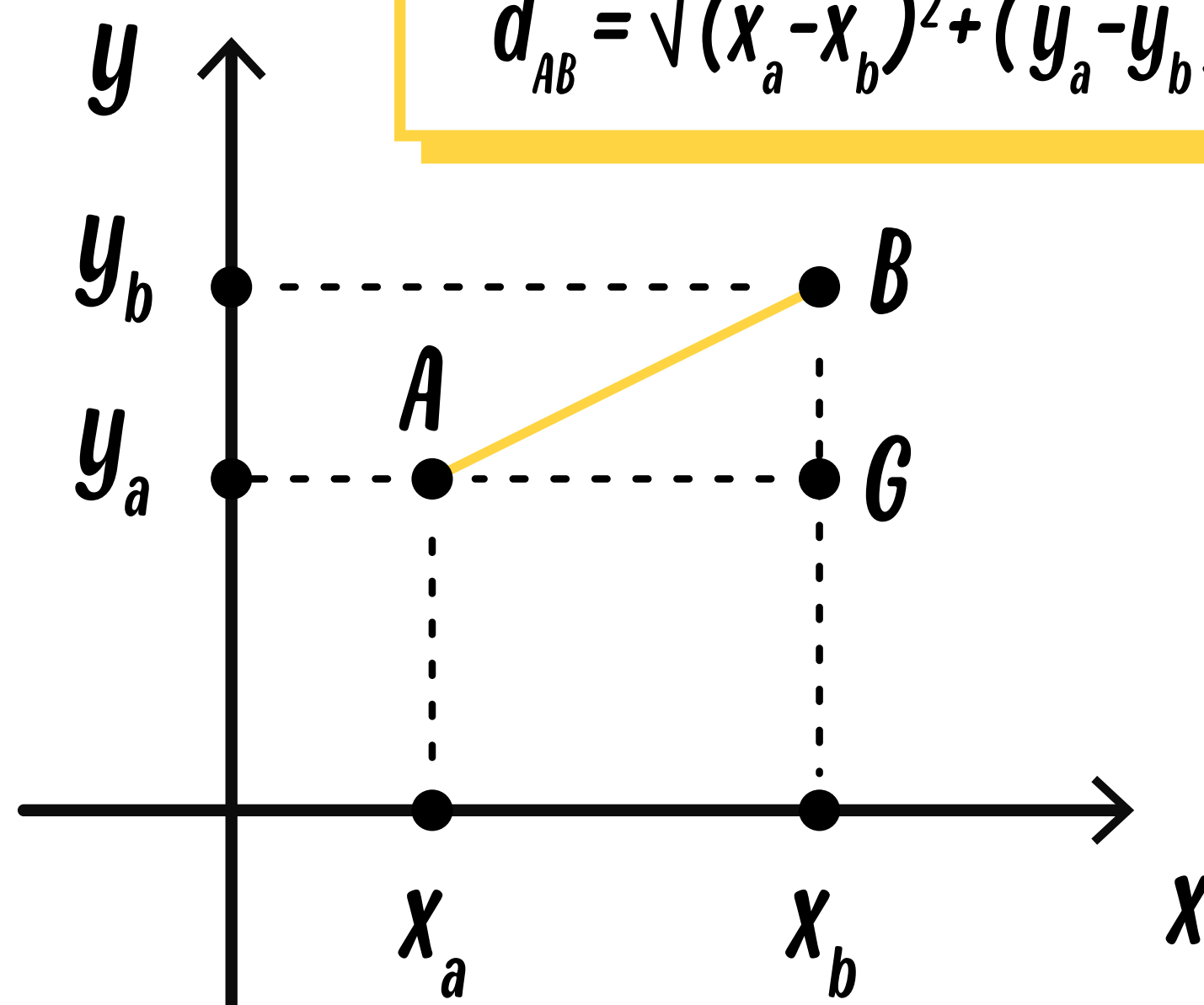


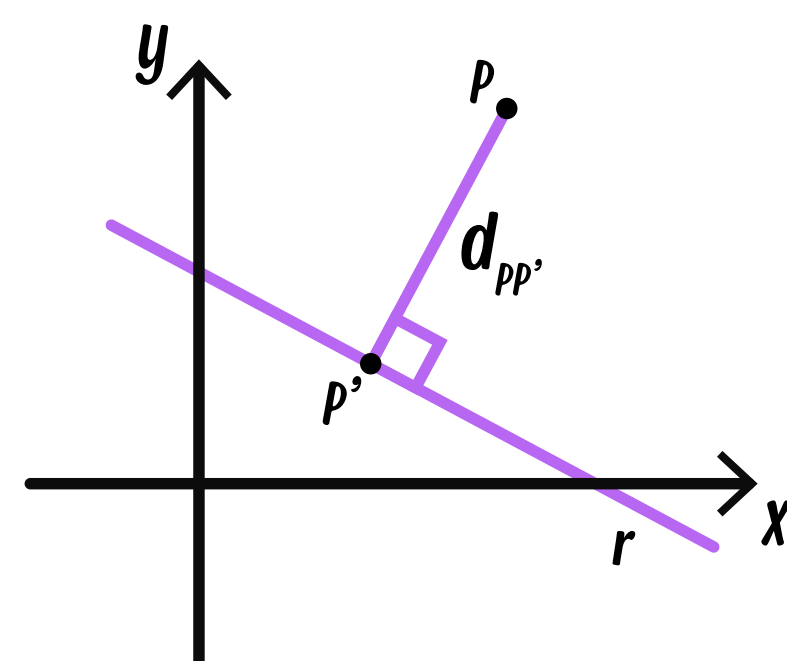
PONTO

$$d_{AB} = \sqrt{(x_a - x_b)^2 + (y_a - y_b)^2}$$



DISTÂNCIA

ENTRE UM PONTO E UMA RETA

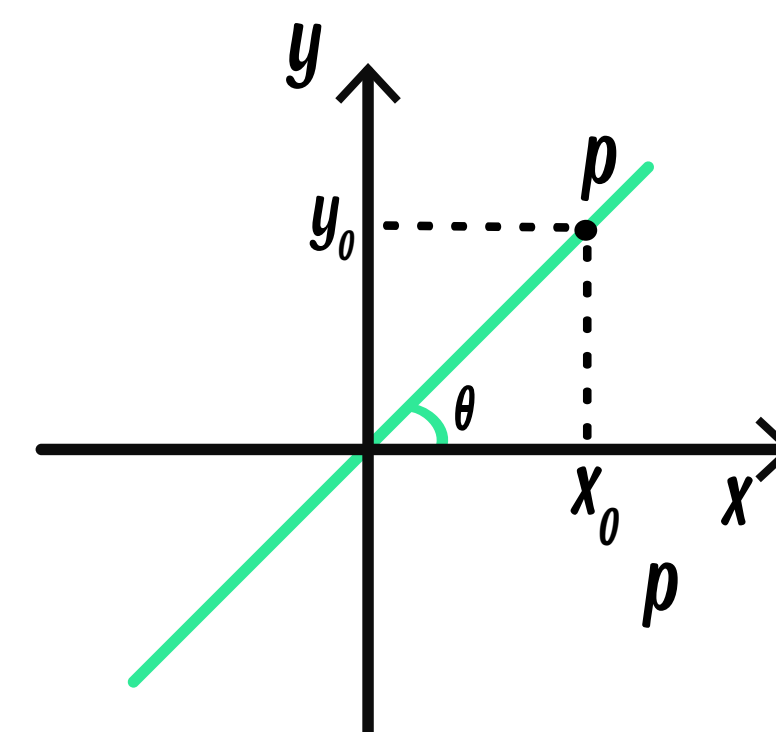


$$d = \frac{|ax_0 + by_0 + c|}{\sqrt{a^2 + b^2}}$$

RETAS

EQUAÇÃO FUNDAMENTAL

$$y - y_0 = m(x - x_0)$$



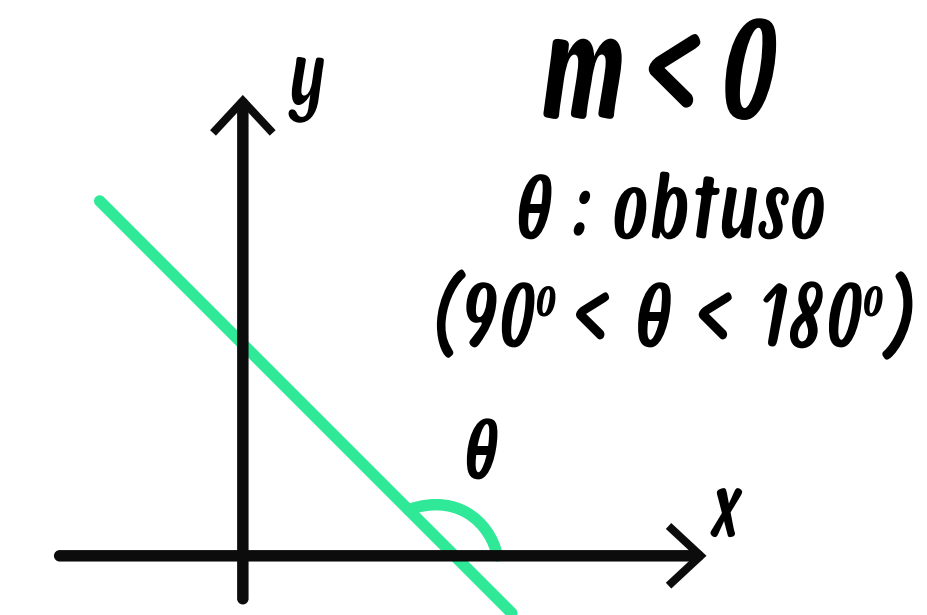
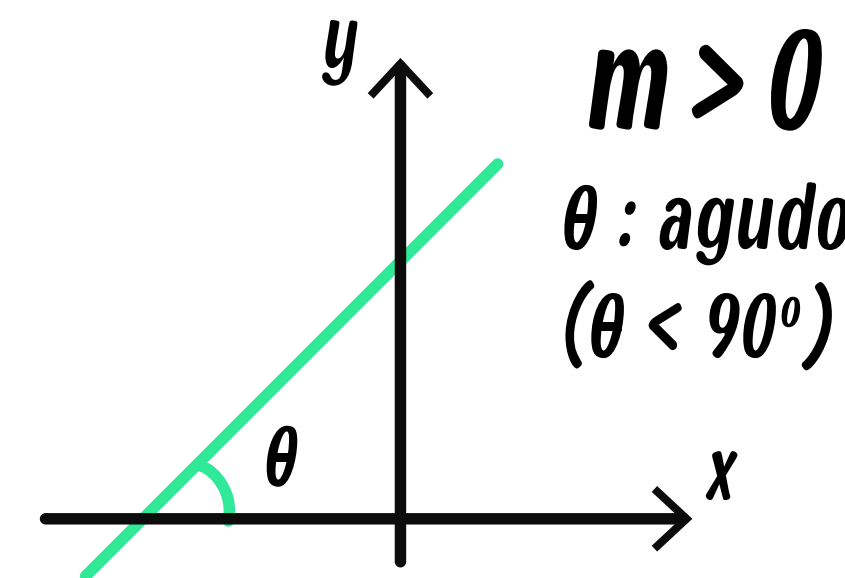
GEOMETRIA ANALÍTICA

descomplica

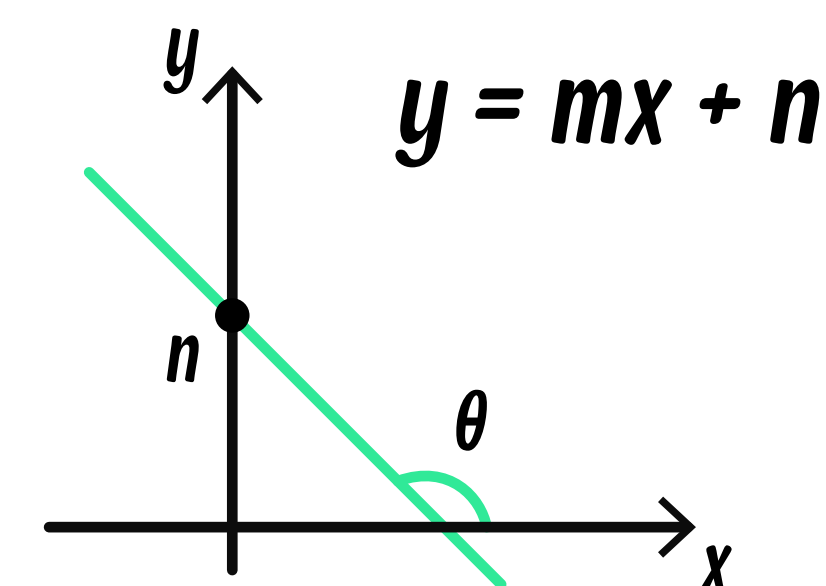
ENTRE RETAS PARALELAS

calcular a distância
entre o ponto de uma reta
e a outra reta

$$m = \operatorname{tg} \theta$$



EQUAÇÃO REDUZIDA



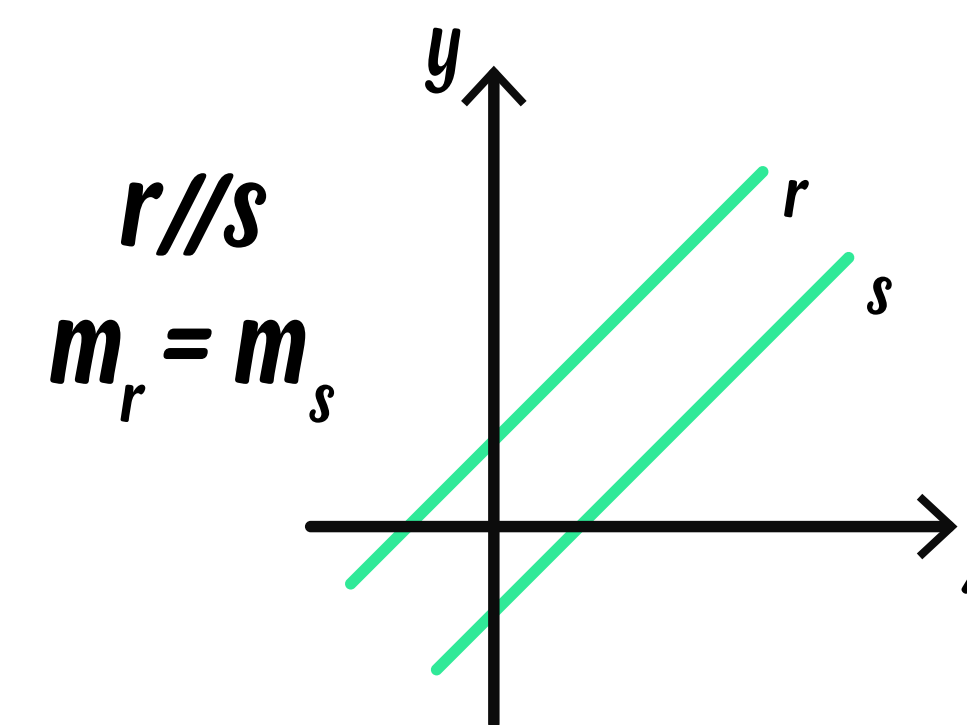
EQUAÇÃO GERAL

$$ax + by + c = 0$$

Ex: $y = -2x + 3$
 $2x + y - 3 = 0$

RELAÇÃO ENTRE OS COEFICIENTES

retas paralelas



retas perpendiculares

