

Base Analitica

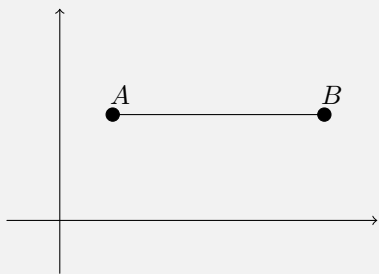
Valore assoluto

$$|a| = \begin{cases} +a & \text{se } a > 0 \\ 0 & \text{se } a = 0 \\ -a & \text{se } a < 0 \end{cases}$$

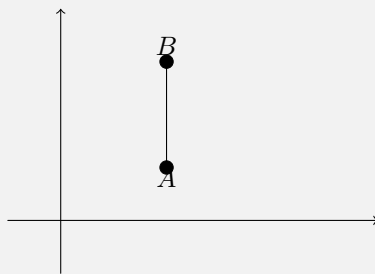
Valore assoluto esempi

$$|+5| = 5$$
$$|-3| = - - 3 = +3$$

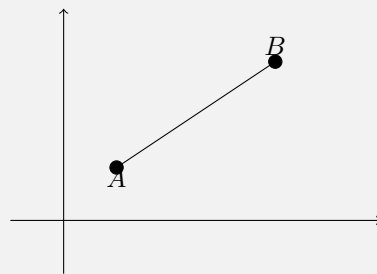
Segmento parallelo asse x



Segmento parallelo asse y



Segmento obliquo



Distanza AB

$$A(x_1; y_1)$$
$$B(x_2; y_1)$$
$$d(AB) = |x_1 - x_2|$$

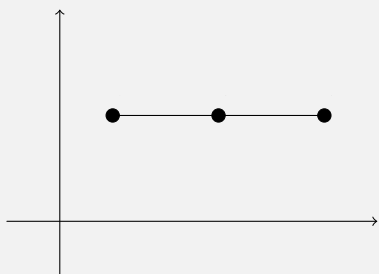
Distanza AB

$$A(x_1; y_1)$$
$$B(x_1; y_2)$$
$$d(AB) = |y_1 - y_2|$$

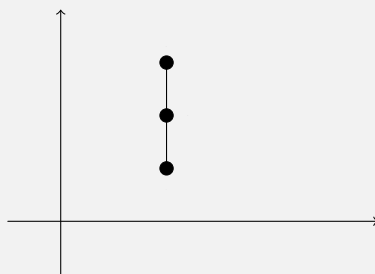
Distanza AB

$$A(x_1; y_1)$$
$$B(x_2; y_2)$$
$$d(AB) = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

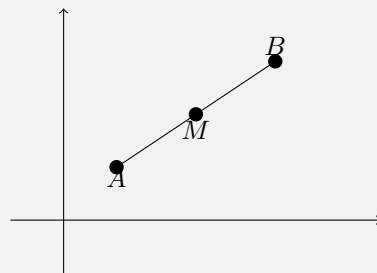
Punto Medio segmento parallelo asse x



Punto Medio segmento parallelo asse y



Segmento obliquo



Punto medio AB

$$A(x_1; y_1)$$
$$B(x_2; y_1)$$
$$M\left(\frac{x_1 + x_2}{2}; y_1\right)$$

Punto medio AB

$$A(x_1; y_1)$$
$$B(x_1; y_2)$$
$$M\left(x_1; \frac{y_1 + y_2}{2}\right)$$

Punto medio AB

$$A(x_1; y_1)$$
$$B(x_2; y_2)$$
$$M\left(\frac{x_1 + x_2}{2}; \frac{y_1 + y_2}{2}\right)$$