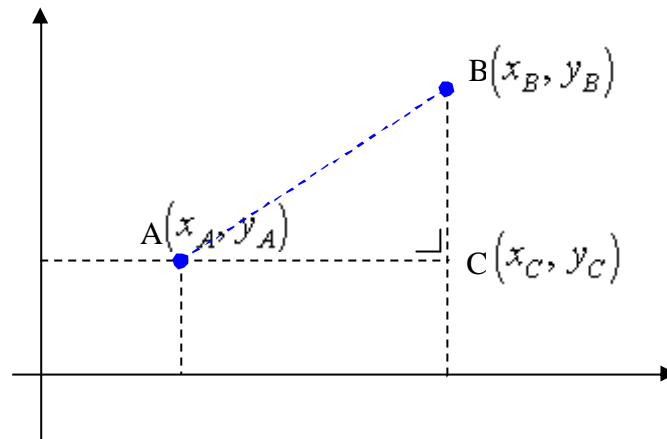


Rumus Jarak Dua Titik



Perhatikan gambar. Berdasarkan dalil Pythagoras, berlaku:

$$\begin{aligned} AB^2 &= AC^2 + BC^2 \\ &= (x_C - x_A)^2 + (y_B - y_C)^2 \end{aligned}$$

Karena $x_C = x_B$ dan $y_C = y_A$, maka :

$$\begin{aligned} AB^2 &= (x_B - x_A)^2 + (y_B - y_A)^2 \\ AB &= \sqrt{(x_B - x_A)^2 + (y_B - y_A)^2} \end{aligned}$$

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Jadi, jarak titik $A(x_A, y_A)$ dan titik $B(x_B, y_B)$ adalah:

$$AB = \sqrt{(x_B - x_A)^2 + (y_B - y_A)^2}$$