

The Distance Formula

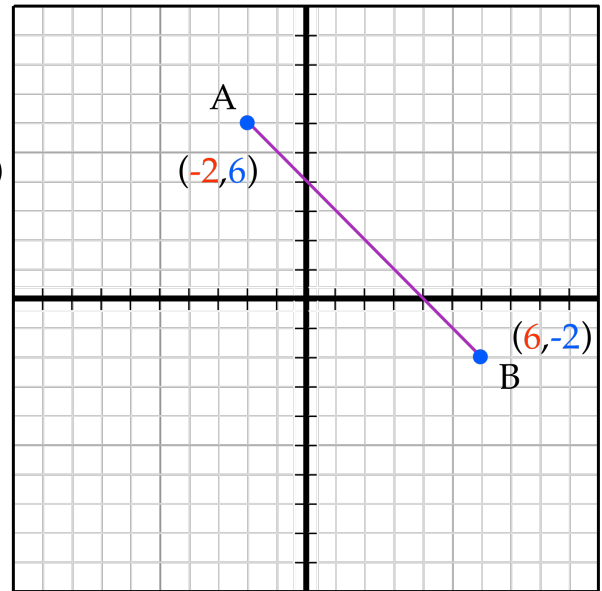
To find the **distance** between two points on a coordinate plane:

Distance Formula

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

$$A : (-2, 6)$$

$$B : (6, -2)$$



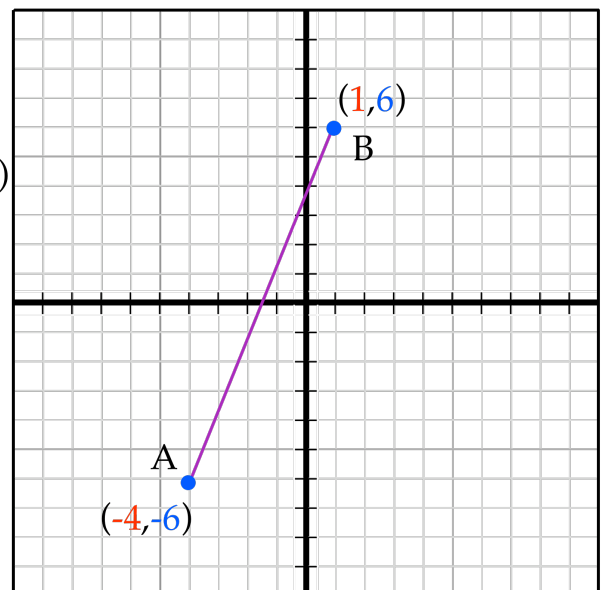
To find the **distance** between two points on a coordinate plane:

Distance Formula

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

$$A : (-4, -6)$$

$$B : (1, 6)$$



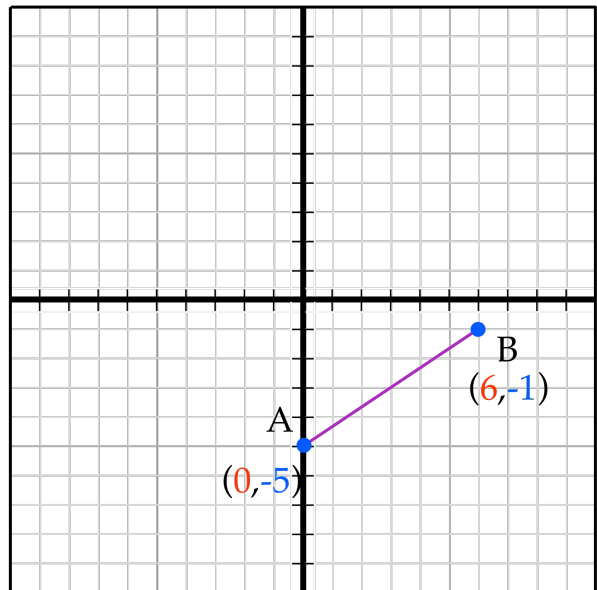
To find the distance between two points on a coordinate plane:

Distance Formula

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

A : (0, -5)

B : (6, -1)



Distance Formula

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