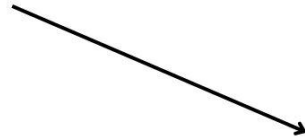


Vectors

Vector (data type) - a Struct composed of three Float values; can be used to store colors, among other things

vector (mathematical concept) - a quantity having both a direction and a magnitude

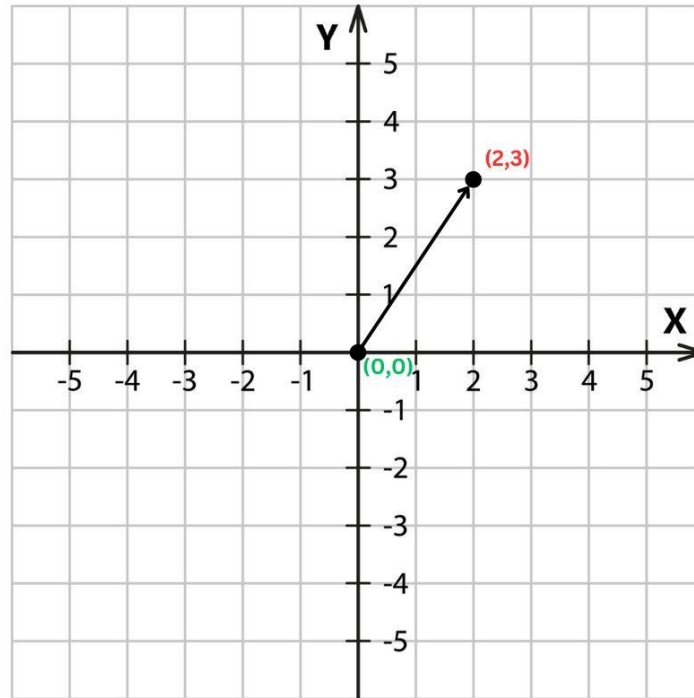


Vectors

The magnitude of a vector can represent:

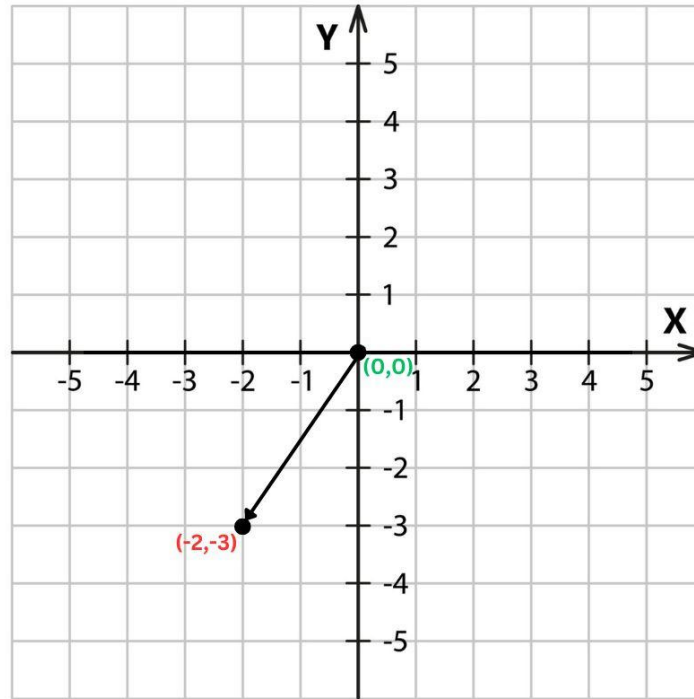
- distance
- velocity
- acceleration
- force
- etc

Vectors



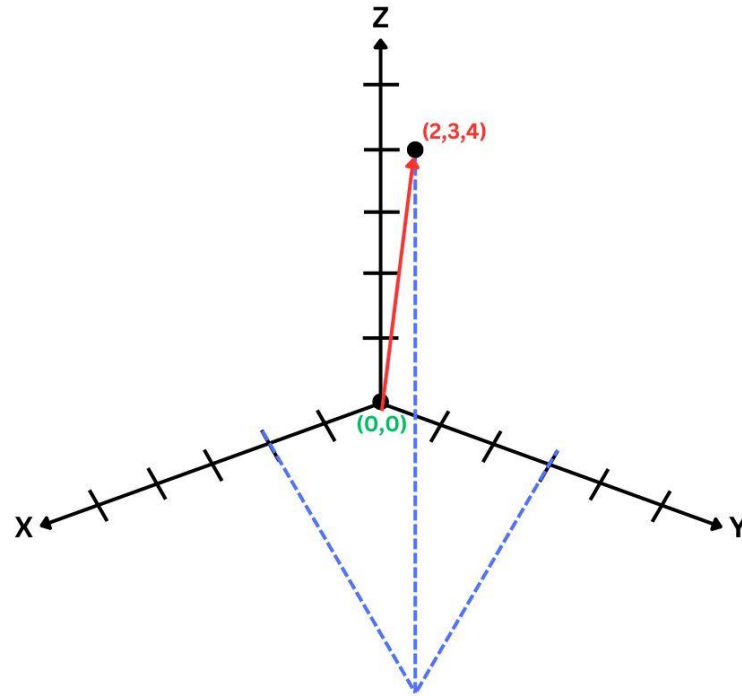
unit = meters

Vectors



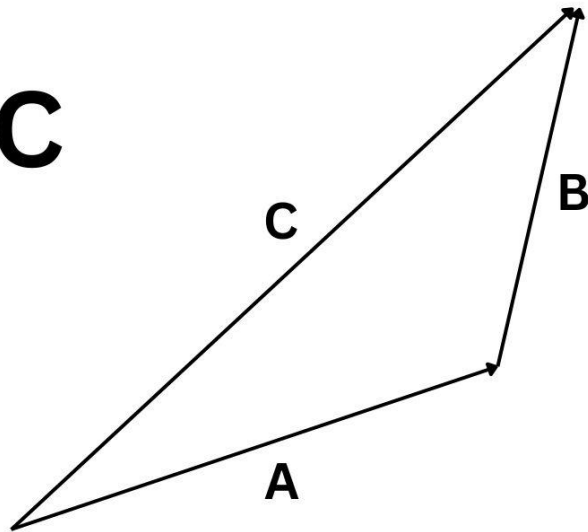
unit = meters

Vectors



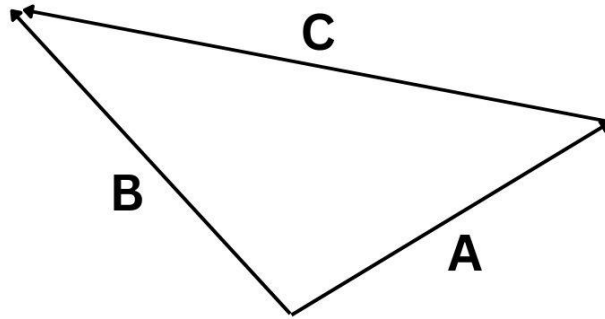
Vectors

$$\mathbf{A} + \mathbf{B} = \mathbf{C}$$



Vectors

$$\mathbf{C} = \mathbf{B} - \mathbf{A}$$



Vectors

$$\mathbf{C} = \mathbf{A} - \mathbf{B}$$

