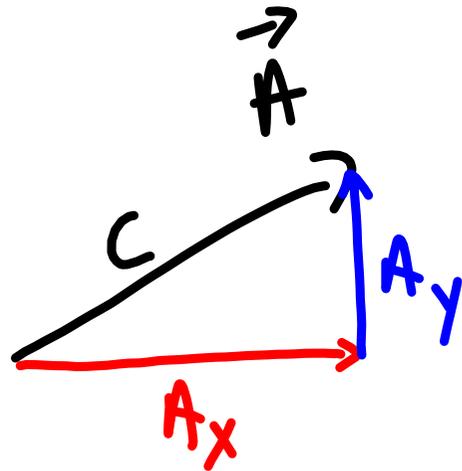


Magnitude - 0 - Vectors

2D



$$a^2 + b^2 = c^2$$

$$(A_x)^2 + (A_y)^2 = C^2$$

$$C = \sqrt{(A_x^2 + A_y^2)}$$

3D $c^2 + d^2 = e^2 \leftarrow \text{magnitude of } \vec{A}$

$\left[\sqrt{(A_x^2 + A_y^2)} \right]^2 + A_z^2 = e^2$ \hookrightarrow really just A_z

$\sqrt{(A_x^2 + A_y^2 + A_z^2)} = e \rightsquigarrow |A|$

