

Vector Notation

$\vec{A} \equiv$ Vector "A" \rightarrow *Arrow* denotes *vector*

$|\vec{A}| \equiv$ Magnitude (length) of \vec{A} (Positive Scalar)

$\vec{A}_x \equiv$ x Component of \vec{A} (Vector)

$\vec{A}_y \equiv$ y Component of \vec{A} (Vector)

$\vec{A}_x \equiv A_x \hat{x}$ $\hat{x} \equiv$ Unit Vector in $+x$ Direction

$\vec{A}_y \equiv A_y \hat{y}$ $\hat{y} \equiv$ Unit Vector in $+y$ Direction

$A_x \equiv$ x Component of \vec{A} (Scalar, Sign Denotes *Direction*)

$A_y \equiv$ y Component of \vec{A} (Scalar, Sign Denotes *Direction*)

$|\vec{A}_x| \equiv$ Magnitude of $\vec{A}_x = |A_x|$ (Positive Scalar)

$|\vec{A}_y| \equiv$ Magnitude of $\vec{A}_y = |A_y|$ (Positive Scalar)