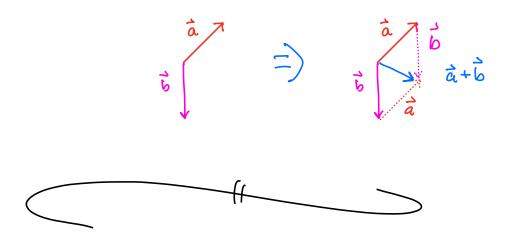
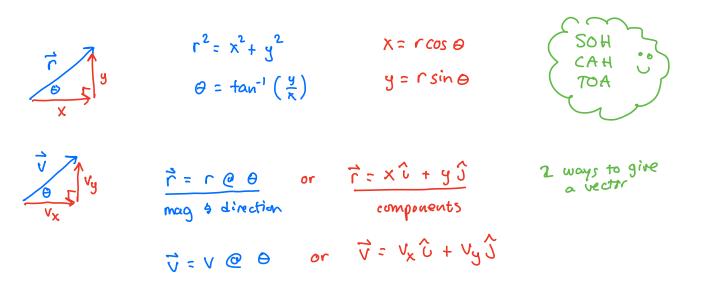


· Resultant is The diagonal of the parallelogram

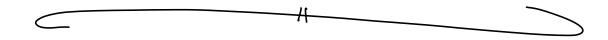


COMPONENTS OF VECTORS a.K.a. UNIT VECTOR NOTATION



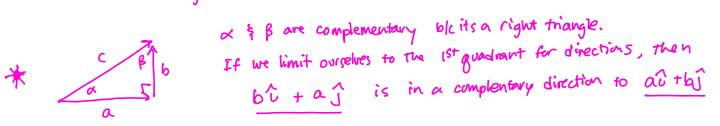
. To add or subtract vectors, just add or subtract the components!

$$\vec{a} + \vec{b} = (a_x + b_x)\hat{i} + (a_y + b_y)\hat{j}$$



Some little things to remember / notice:

×



Recall from math that if you have a line with a slope of "m", then a line with a slope of " $-\frac{1}{m}$ " will be \bot to the first line.

$$-b\hat{i}+a\hat{j}$$
 and $b\hat{i}-a\hat{j}$ are both 1 to $a\hat{i}+b\hat{j}$