

In-lab spreadsheet assignment

Given the following two sets of coordinates:

$$A = (a_x, a_y) : B = (b_x, b_y)$$

Make a spreadsheet which will do the following calculations:

$$|\vec{A}|, |\vec{B}|, \vec{A} + \vec{B}, \vec{A} - \vec{B}, \hat{A}, \hat{B}$$

$$\cos \theta_A : \sin \theta_A : C \equiv [\text{vector pointing from } \vec{A} \text{ to } \vec{B}], \hat{C}$$

Note that the vector pointing from A to B is given by $\vec{C} = \vec{B} - \vec{A}$