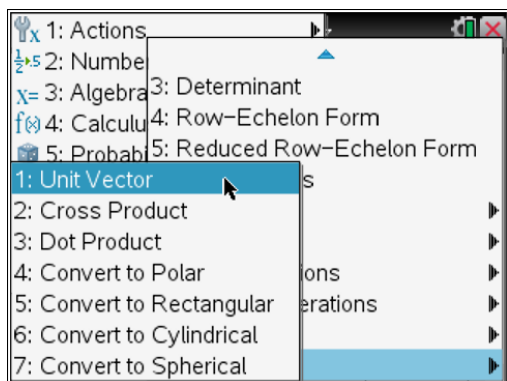
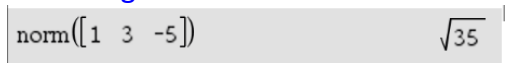


VECTORS ON TI NSPIRE CAS

In a calculator screen select Menu,
 7: Matrix & Vector, C: Vector
 1: Unit Vector
 3: Dot Product

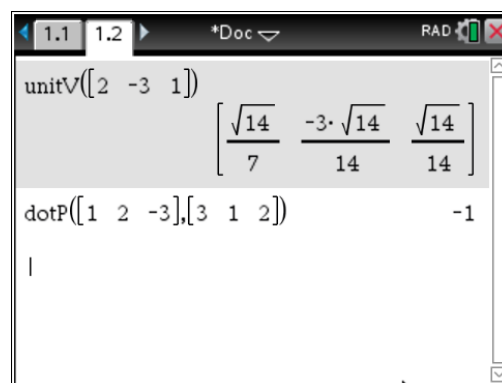


For a magnitude of a vector use norm.



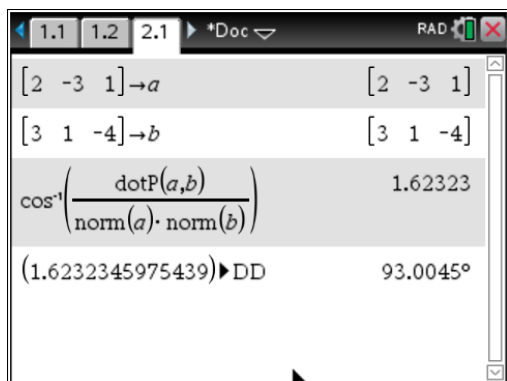
For a unit vector, enter your vector in column notation using a 3 by 1 matrix template. Or square brackets with commas.

For a dot product, we can also use lists, separated by a comma. Lists use curly brackets.



Recall that to find the angle between two vectors we use the formula:

$$\theta = \cos^{-1} \left(\frac{\underline{a} \cdot \underline{b}}{|\underline{a}| |\underline{b}|} \right)$$



If your calculator is set in radians, convert to degrees as above.
 Convert to DMS if required.