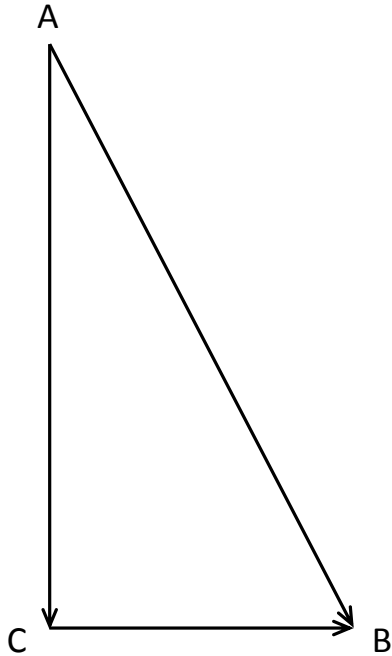


Answer on Question #53393 - Math - Vector Calculus

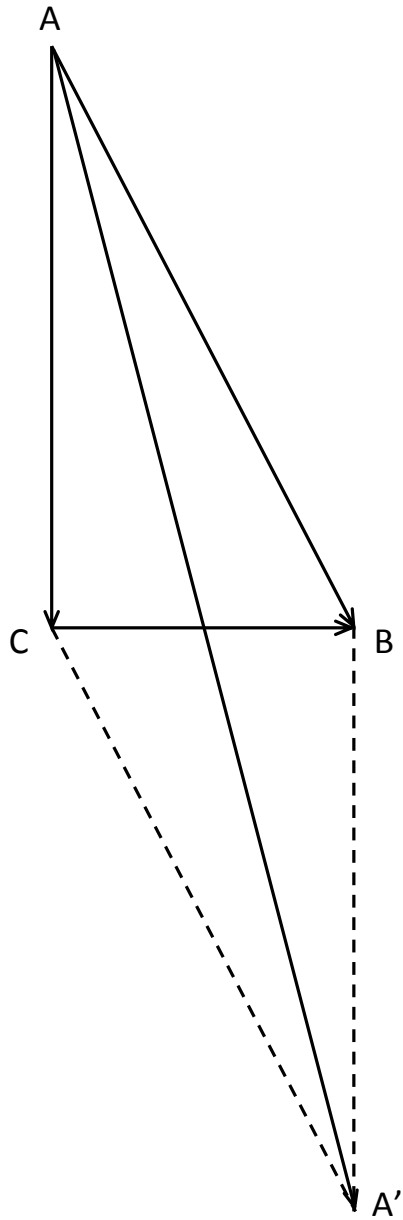
In a right-angled triangle labelled ABC and C is 90 degree, which vector represents the resultant of the other two?

Solution



If vectors are directed as shown above, then the resultant vector of vectors \vec{AC} and \vec{CB} will be vector \vec{AB} , which represents the sum of these two.

The sum of vectors \vec{AC} and \vec{CB} is given by the vector \vec{AB} , which is shown in the figure below.



Other cases are similar to the two ones described above.