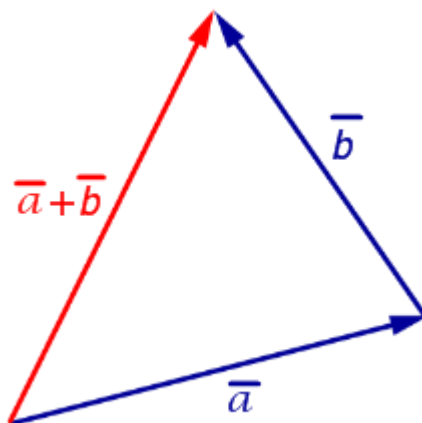**Answer on Question #51054, Physics, Mechanics | Kinematics | Dynamics**

The addition of two vectors and gives a third vector known as the of the two vectors.

Answer:

$\vec{c} = \vec{a} + \vec{b}$, than $\left(c_x ; c_y ; c_z \right) = \left(a_x + b_x ; a_y + b_y ; a_z + b_z \right)$