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why can we move the vector to a new starting position like this furthermore why does the parallelogram law

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web nov 12 2023 the addition of vectors is accomplished geometrically but not algebraically vector quantities should behave
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web if the vectors are in the component form then the vector sum formula is $a_1 + b_1$ $a_2 + b_2$ $a_3 + b_3$ if the two vectors are arranged by attaching the head of one vector to the tail of the other then their sum is the vector that joins the

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web answer according to the parallelogram law of vector addition if two vectors $\vec{a}$ and $\vec{b}$ represent two sides of a parallelogram in magnitude and direction then their sum $\vec{a} + \vec{b}$ the diagonal of the parallelogram through their common point in magnitude and direction

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