

Question Q1.17

(a) Does it make sense to say that a vector is *negative*? Why? (b) Does it make sense to say that one vector is the negative of another? Why? Does your answer here contradict what you said in part (a)?

Solution

It doesn't make sense to say that a vector is negative because it does nothing to specify its magnitude or direction.

It does make sense to say that one vector is the negative of another because it means the vectors are antiparallel and have the same magnitude.