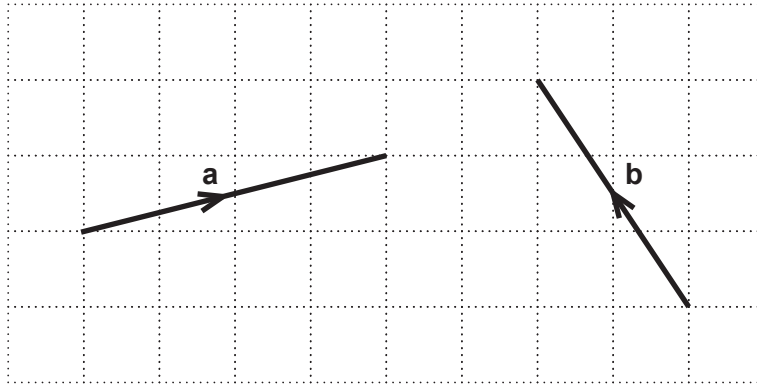


10 Two vectors, \mathbf{a} and \mathbf{b} , are shown on the 1 centimetre grid below.



Show that the vector $\mathbf{a} + 2\mathbf{b}$ has length 7 cm.
You may use the grid below.



[3]