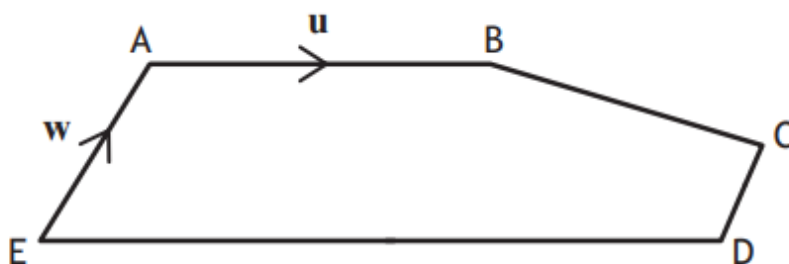




In the diagram below, \vec{AB} and \vec{EA} represent the vectors \mathbf{u} and \mathbf{w} respectively.



- $\vec{ED} = 2\vec{AB}$
- $\vec{EA} = 2\vec{DC}$

Express \vec{BC} in terms of \mathbf{u} and \mathbf{w} .

Give your answer in its simplest form.

2

Answer:

$$\underline{\mathbf{u}} - \frac{1}{2} \underline{\mathbf{w}}$$