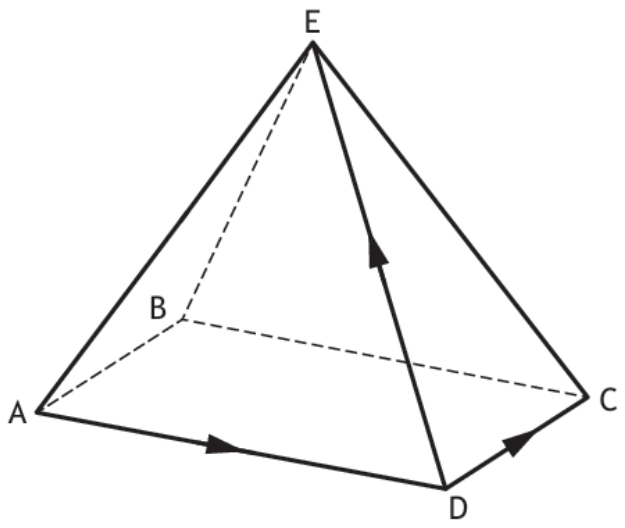
Higher Maths
SQA 2025 Paper 2
Question 8

E,ABCD is a rectangular-based pyramid as shown.

$\overrightarrow{AD} = 6\mathbf{i} + 4\mathbf{j} + 2\mathbf{k}$

$\overrightarrow{DC} = 2\mathbf{i} - 4\mathbf{j} + 2\mathbf{k}$

$\overrightarrow{DE} = -4\mathbf{i} - 3\mathbf{j} + 4\mathbf{k}$



Express $\overrightarrow{BE}$ in terms of $\mathbf{i}$, $\mathbf{j}$ and $\mathbf{k}$. **2**

Answer:

$5\mathbf{j} + 4\mathbf{k}$

This resource is free to distribute and use on a non-commercial basis. Visit Maths.scot for notes and worked examples for every Higher Maths topic.