Higher Maths SQA 2016 Paper 1 Question 7



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Three vectors can be expressed as follows:

$$\overrightarrow{FG} = -2\mathbf{i} - 6\mathbf{j} + 3\mathbf{k}$$
$$\overrightarrow{GH} = 3\mathbf{i} + 9\mathbf{j} - 7\mathbf{k}$$
$$\overrightarrow{EH} = 2\mathbf{i} + 3\mathbf{j} + \mathbf{k}$$

- (a) Find \overrightarrow{FH} .
- (b) Hence, or otherwise, find $\stackrel{\rightarrow}{\text{FE}}$.

Answers:

- (a) i+3j-4k
- (b) -i-5k