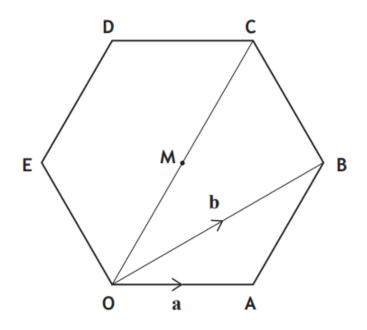
National 5 Maths SQA 2017 Specimen Paper 1 Question 11



In the diagram, OABCDE is a regular hexagon with centre M.

Vectors \mathbf{a} and \mathbf{b} are represented by \overrightarrow{OA} and \overrightarrow{OB} respectively.



(a) Express \overrightarrow{AB} in terms of a and b.

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(b) Express \overrightarrow{OC} in terms of \mathbf{a} and \mathbf{b} .

Answers:

- (a) $\underline{b} \underline{a}$ (or equivalent)
- (b) $2(\underline{b} \underline{a})$ or $2\underline{b} 2\underline{a}$ (or equivalent)