

14. The diagram shows a trapezium $OABC$ with OA parallel to CB . The point Q is the mid-point of AB .

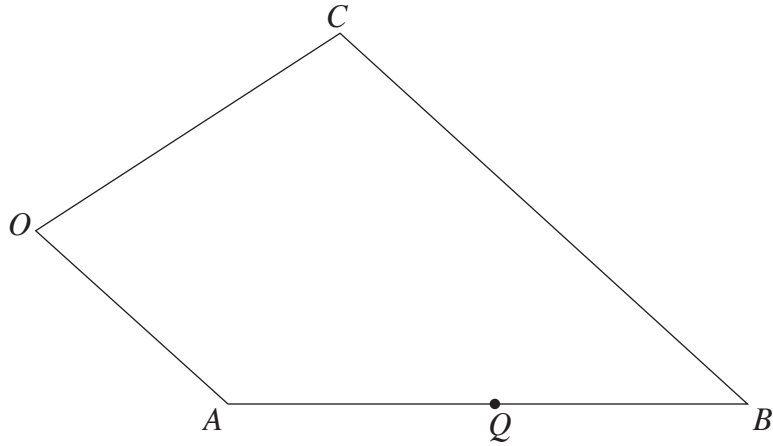


Diagram not drawn to scale.

Given that $\mathbf{OA} = \mathbf{x}$, $\mathbf{OB} = \mathbf{y}$ and $\mathbf{CB} = 2\mathbf{OA}$ express, in their simplest form, each of the following in terms of \mathbf{x} and \mathbf{y} .

- (a) \mathbf{OC}

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[1]

- (b) \mathbf{CQ}

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[2]