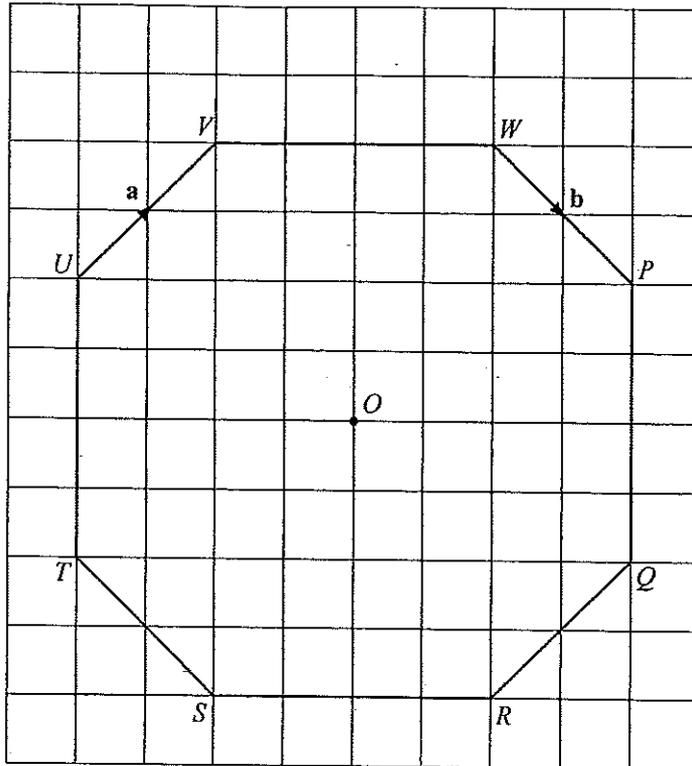


IGCSE – Vectors Paper 2 - 3

May 06 Paper 2

23



The origin O is the centre of the octagon $PQRSTUWV$.
 $\vec{UV} = \mathbf{a}$ and $\vec{WP} = \mathbf{b}$.

(a) Write down in terms of \mathbf{a} and \mathbf{b}

(i) \vec{VW} ,

Answer(a)(i) [1]

(ii) \vec{TU} ,

Answer(a)(ii) [1]

(iii) \vec{TP} ,

Answer(a)(iii) [2]

(iv) the position vector of the point P .

Answer(a)(iv) [1]

(b) In the diagram, 1 centimetre represents 1 unit.
 Write down the value of $|\mathbf{a} - \mathbf{b}|$.

Answer(b) [1]