8	(a)	Relative to an origin $O$ , the position vectors of two points $P$ and $Q$ are $\mathbf{p}$ and $\mathbf{q}$ respectively. The point $R$ is such that $PQR$ is a straight line with $Q$ the mid-point of $PR$ . Find the position vector of $R$ in terms of $\mathbf{p}$ and $\mathbf{q}$ , simplifying your answer.

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