

23

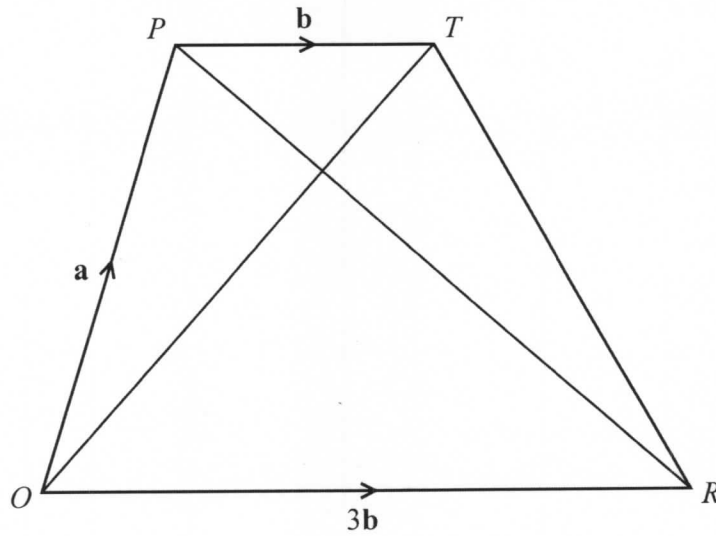


Diagram **NOT**
accurately drawn

$OPTR$ is a trapezium.

$$\vec{OP} = \mathbf{a}$$

$$\vec{PT} = \mathbf{b}$$

$$\vec{OR} = 3\mathbf{b}$$

(a) (i) Find \vec{OT} in terms of \mathbf{a} and \mathbf{b}

(ii) Find \vec{PR} in terms of \mathbf{a} and \mathbf{b}
Give your answer in its simplest form.

(2)

