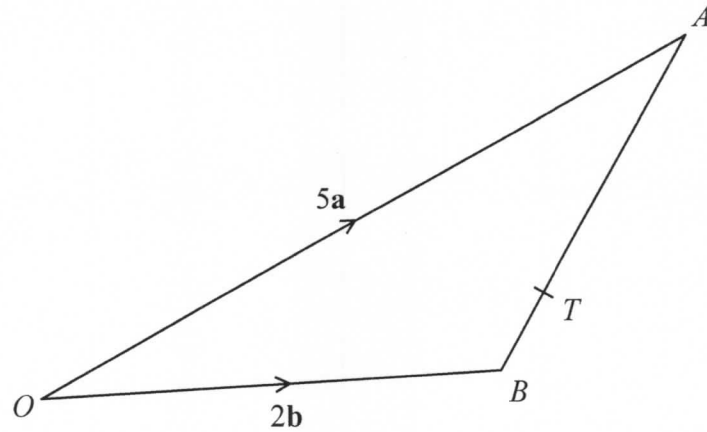


23

Diagram NOT
accurately drawn OAB is a triangle.

$$\vec{OA} = 5\mathbf{a}$$

$$\vec{OB} = 2\mathbf{b}$$

T is the point on AB such that $AT : TB = 5 : 1$

Show that OT is parallel to the vector $\mathbf{a} + 2\mathbf{b}$

(Total for Question 23 is 4 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

