25 The diagram shows a triangular prism *ABCDEF* with horizontal rectangular base *ABCD*
F is vertically above *A*

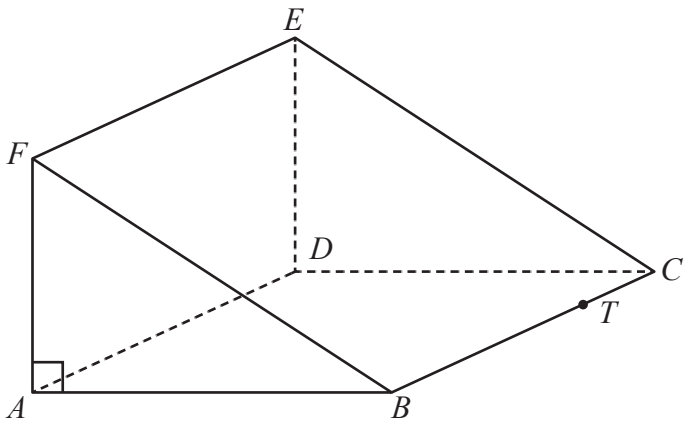


Diagram **NOT** accurately drawn

$AF = 12\,\text{cm}$ angle $ABF = 30°$ angle $BAF = 90°$

T is the point on the line *BC* such that $BF : BT = 3 : 2$

Work out the size of the angle between the line *FT* and the plane *ABCD*
Give your answer correct to one decimal place.
Show your working clearly.

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(Total for Question 25 is 5 marks)

TOTAL FOR PAPER IS 100 MARKS

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