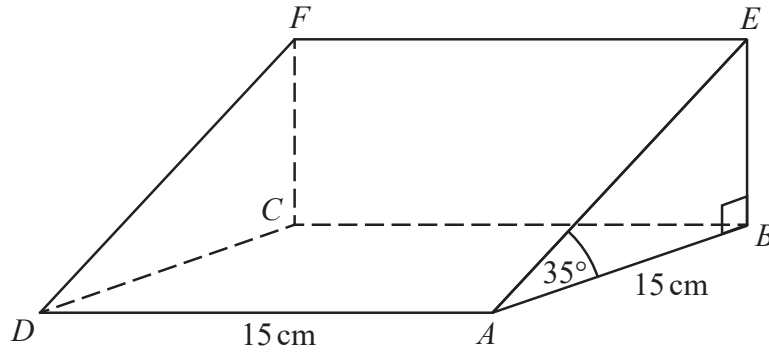


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19 The diagram shows a triangular prism.



The base, $ABCD$, of the prism is a square of side length 15 cm.
 Angle ABE and angle CBE are right angles.
 Angle $EAB = 35^\circ$

M is the point on DA such that

$$DM:MA = 2:3$$

Calculate the size of the angle between EM and the base of the prism.
 Give your answer correct to 1 decimal place.

(Total for Question 19 is 4 marks)

