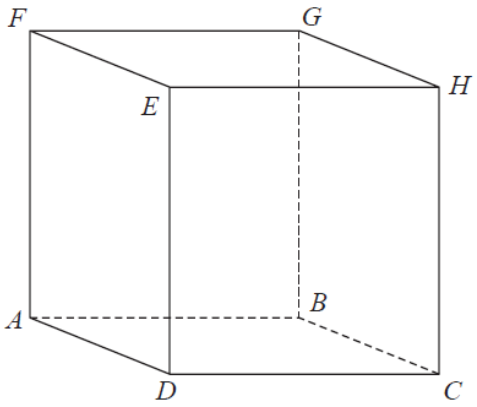
1 *ABCDEFGH* is a cuboid.



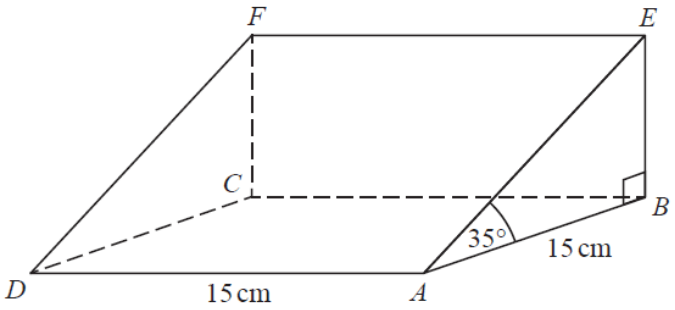
$AB = 7.3$ cm
$CH = 8.1$ cm
Angle $BCA = 48°$

Find the size of the angle between AH and the plane $ABCD$.
Give your answer correct to 1 decimal place.

.....°

(Total for Question is 4 marks)

2 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 $EAB = 35°$

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 is 4 marks)