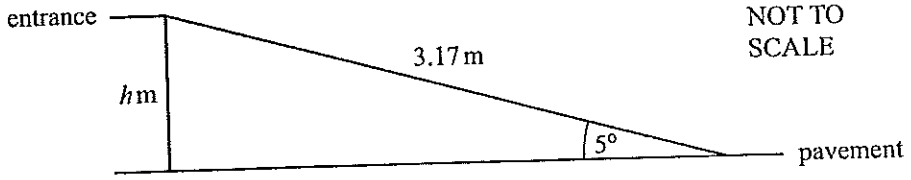
IGCSE – Trigonmetry/Pythagoras - 1

May 05 Paper 2

2

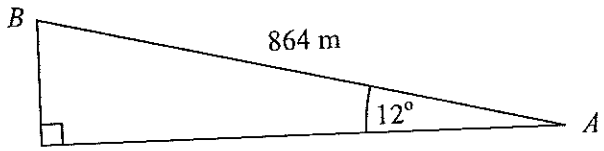


A shop has a wheelchair ramp to its entrance from the pavement.
The ramp is 3.17 metres long and is inclined at 5° to the horizontal.
Calculate the height, h metres, of the entrance above the pavement.
Show all your working.

Answer ..... m [2]

Oct 04 Paper 2

10 A mountain railway AB is of length 864 m and rises at an angle of 12° to the horizontal.
A train is 586 m above sea level when it is at A.
Calculate the height above sea level of the train when it reaches B.

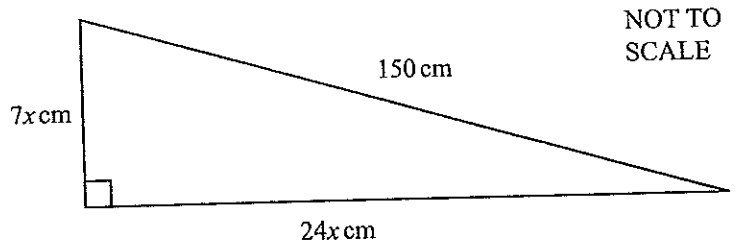


NOT TO SCALE

Answer ..... m [3]

May 06 Paper 2

10



The right-angled triangle in the diagram has sides of length $7x$ cm, $24x$ cm and 150 cm.

(a) Show that $x^2 = 36$.

[2]

(b) Calculate the perimeter of the triangle.

Answer(b) .....cm [1]