

WJEC June 2018 Q9

The diagram shows a rectangular-based pyramid.
 The length of the rectangular base is 4 cm and the width of the base is 3 cm.
 Each slant edge of the pyramid is of length 6 cm.

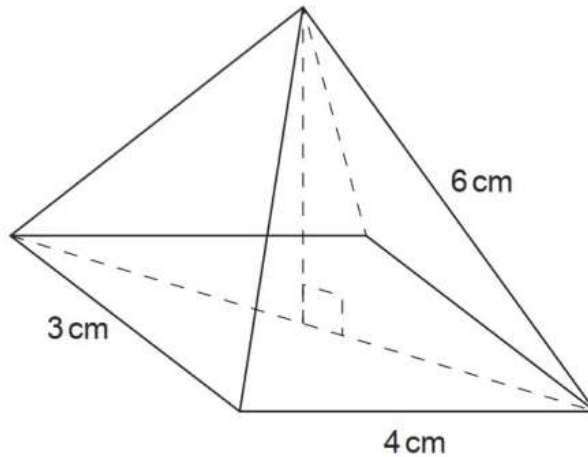


Diagram not drawn to scale

Calculate the perpendicular height of the pyramid.
 You must show your working.

[3]

WJEC June 2015 Q11

A right square-based pyramid has a perpendicular height of 12 cm.
 The area of the square base of the pyramid is 64 cm^2 .

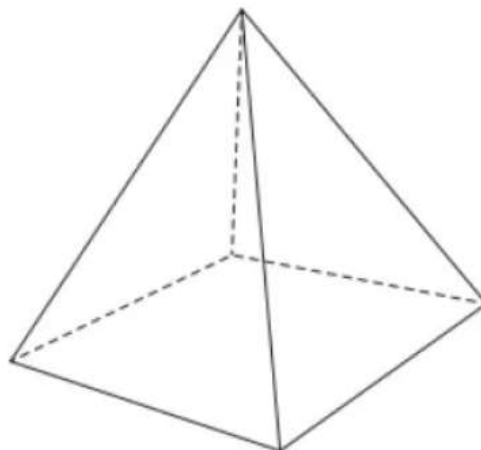


Diagram not drawn to scale

Calculate the angle between the diagonal of the base and one of the sloping edges of the pyramid.

[7]

A pyramid stands on a horizontal surface.
The base of the pyramid is in the shape of a kite.
The base of the pyramid is shown below.

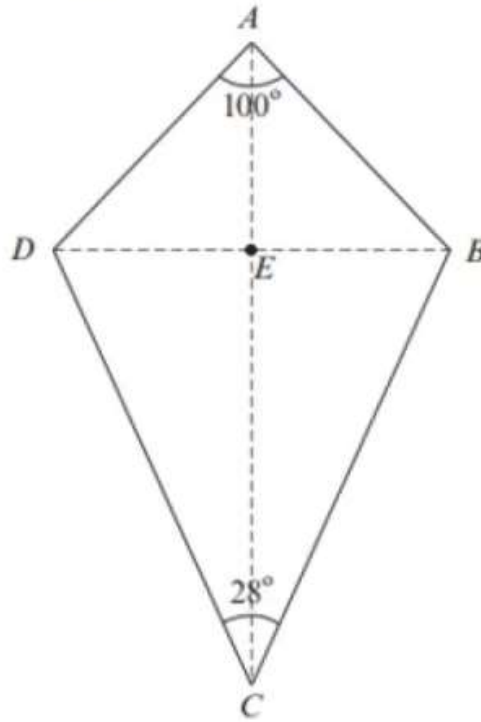


Diagram not drawn to scale

The apex (top vertex) of the pyramid is vertically above E .
The vertical height of the pyramid is 17.3 cm.
The length of BD is 12.6 cm and the angles are as shown on the diagram.
Use the line EC to calculate the angle of elevation of the apex of the pyramid from the point C .

[7]

WJEC June 2012 Q13

Each edge of the base of a square based pyramid has a length of 4 cm. The length of each of the other edges of the pyramid is 6 cm. Calculate the perpendicular height of the pyramid, giving your answer in the form $a\sqrt{b}$.