

3d Pythagoras

Question Paper

Level	GCSE
Subject	Maths
Exam Board	Edexcel GCSE
Topic	3d Pythagoras
Grade Level	Grade 7
Booklet	Question Paper

Time Allowed: 11 minutes

Score: /9

Percentage: /100

Grade Boundaries:

1.

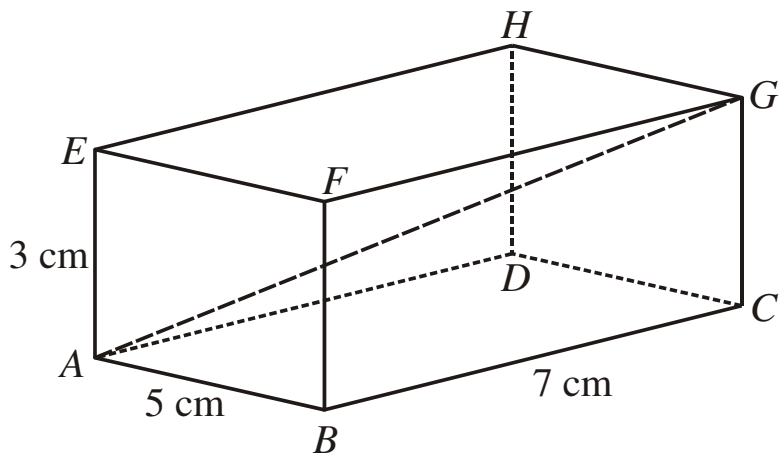


Diagram **NOT** accurately drawn

The diagram represents a cuboid $ABCDEFGH$.

$$AB = 5 \text{ cm.}$$

$$BC = 7 \text{ cm.}$$

$$AE = 3 \text{ cm.}$$

Calculate the length of AG .

Give your answer correct to 3 significant figures.

..... cm

(3)

2. A cuboid has length 3 cm, width 4 cm and height 12 cm.

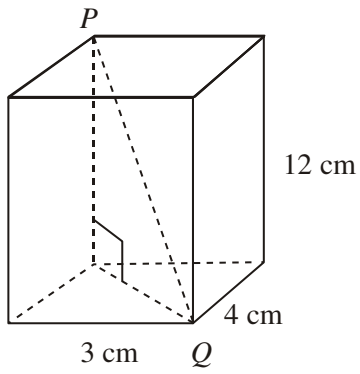


Diagram **NOT**
accurately drawn

Work out the length of PQ .

..... cm
(Total 3 marks)

3. The diagram shows a pyramid. The apex of the pyramid is V .
Each of the sloping edges is of length 6 cm.

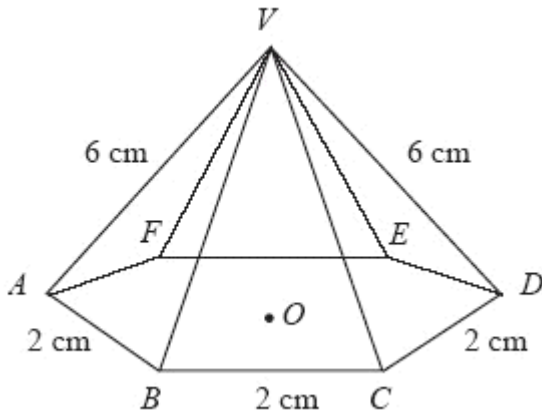


Diagram NOT accurately drawn

The base of the pyramid is a regular hexagon with sides of length 2 cm.
 O is the centre of the base.

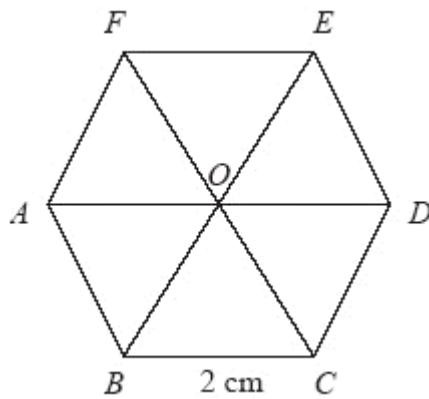


Diagram NOT accurately drawn

Calculate the height of V above the base of the pyramid.
Give your answer correct to 3 significant figures.

.....cm

(3)