1.

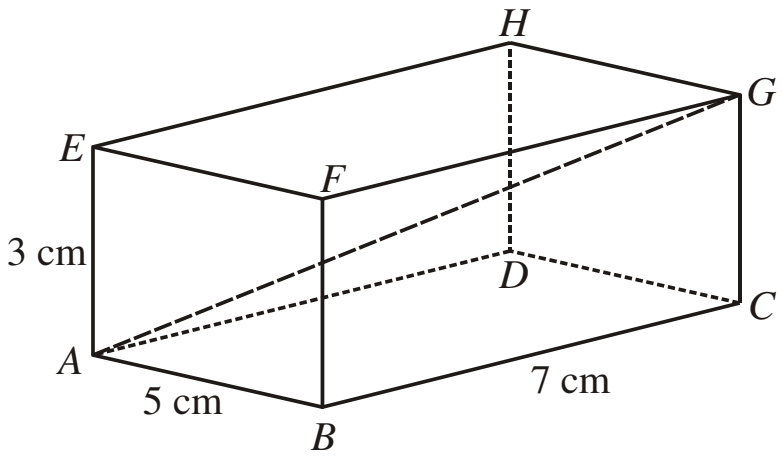

Diagram **NOT** accurately drawn

The diagram represents a cuboid *ABCDEFGH*.

AB = 5 cm.
BC = 7 cm.
AE = 3 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.

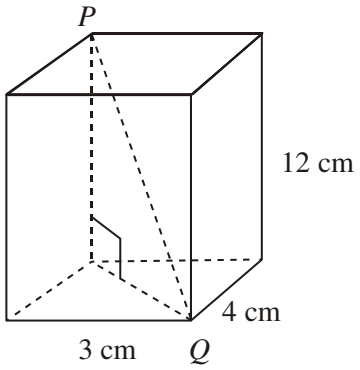

Diagram **NOT** accurately drawn

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.

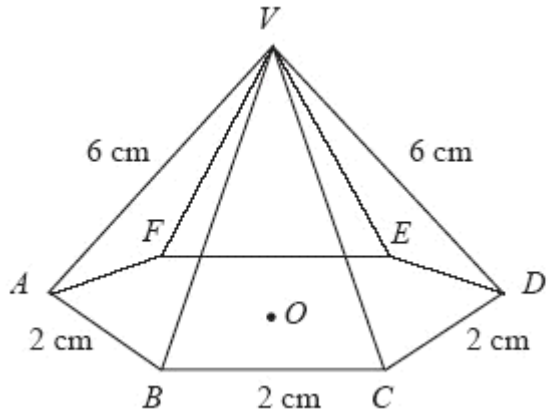

Diagram **NOT** accurately drawn

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

O is the centre of the base.

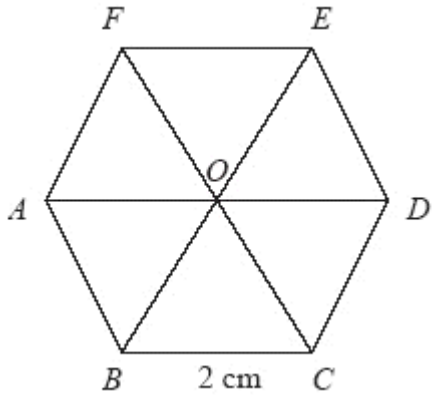

Diagram **NOT** accurately drawn

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

…….cm

(3)