

DO NOT WRITE IN THIS AREA

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- 2 A square based pyramid has a perpendicular height of 150 cm.

The length of a diagonal of the square base is  $400\sqrt{2}$  cm.

Calculate the volume, in  $\text{m}^3$ , of the pyramid.

$$\left[ \text{Volume of a pyramid} = \frac{1}{3} \times \text{base area} \times \text{height} \right]$$

(Total for Question 2 is 4 marks)

