

24

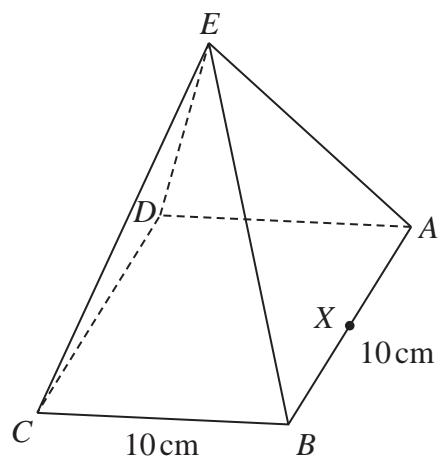


Diagram **NOT**  
accurately drawn

The diagram shows a solid right square-based pyramid  $ABCDE$   
The volume of the pyramid is  $1000\text{cm}^3$

The pyramid is standing with its square base,  $ABCD$ , on a horizontal table.  
The square base has side 10cm.

$X$  is the midpoint of the side  $AB$

Calculate the size, in degrees to the nearest degree, of  $\angle CEX$

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(Total for Question 24 is 5 marks)



P 7 2 4 7 8 A 0 1 9 2 4