

24

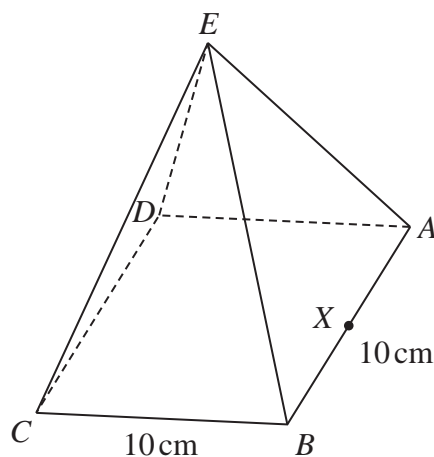


Diagram **NOT**
accurately drawn

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

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

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

X is the midpoint of the side AB

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



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

(Total for Question 24 is 5 marks)



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