

DO NOT WRITE IN THIS AREA

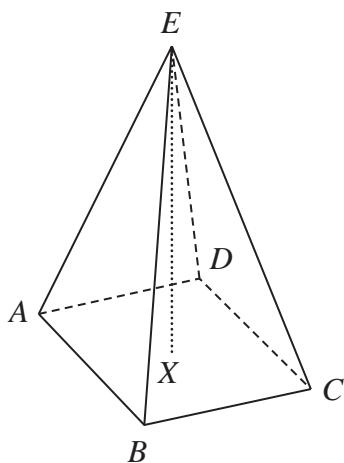
14

Diagram **NOT**
accurately drawn

The diagram shows a square based right pyramid $ABCDE$. The point X is the centre of the base so that the point E is vertically above X .

$$EX = 15 \text{ cm} \quad AB = 8 \text{ cm}$$

Calculate the size, in degrees to 3 significant figures, of the acute angle between AE and AX .

(Total for Question 14 is 3 marks)

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P 6 5 9 2 0 A 0 1 1 2 4