

14

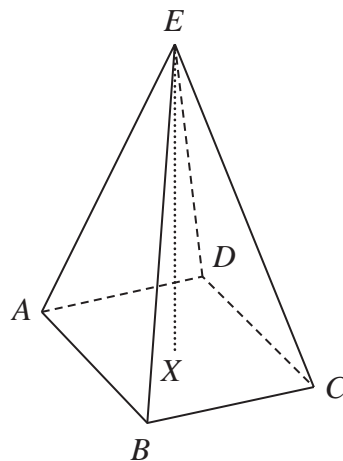


Diagram **NOT**
accurately drawn

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)

