16 Here is a shape formed from two triangles *ABC* and *CDE*
ACD and *BCE* are straight lines.

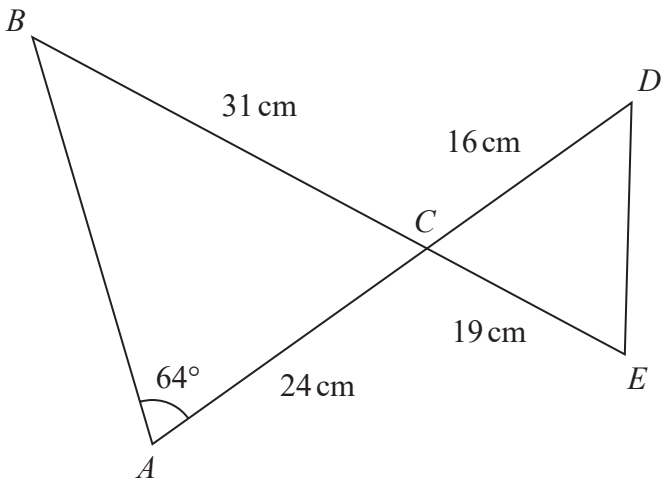


Diagram **NOT** accurately drawn

$AC = 24\,\text{cm}$ $BC = 31\,\text{cm}$ $CE = 19\,\text{cm}$ $CD = 16\,\text{cm}$

Angle $BAC = 64°$

Work out the length of *DE*
Give your answer correct to 3 significant figures.

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..... cm

(Total for Question 16 is 5 marks)

17 y is inversely proportional to $\sqrt{x}$

$y = c^4$ when $x = c^2$ where c is a positive constant.

Find a formula for y in terms of x and c
Give your answer in its simplest form.

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(Total for Question 17 is 3 marks)