

3

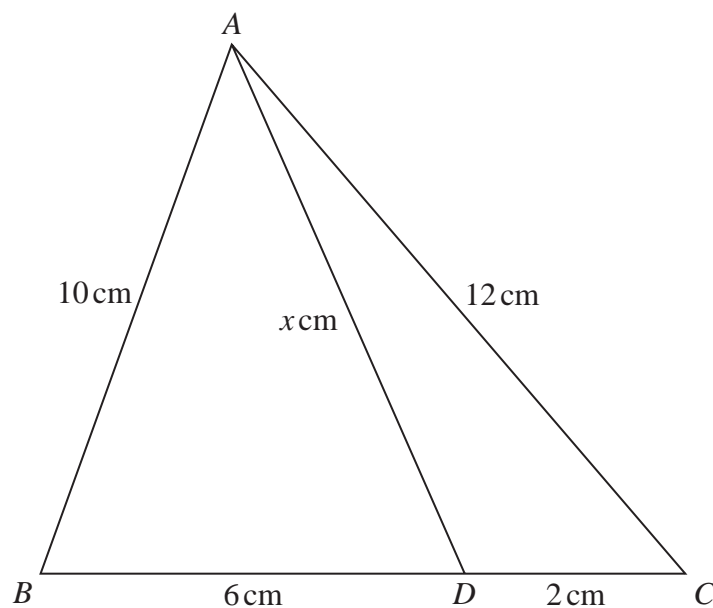
Diagram **NOT**
accurately drawn**Figure 1**

Figure 1 shows the triangle ABC in which $AB = 10\text{ cm}$ and $AC = 12\text{ cm}$.
The point D lies on BC such that $BD = 6\text{ cm}$, $DC = 2\text{ cm}$ and $AD = x\text{ cm}$.

(a) Show that $x = 11$

(4)

(b) Find the area, in cm^2 to 3 significant figures, of triangle ADB .

(4)

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DO NOT WRITE IN THIS AREA

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Question 3 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 3 is 8 marks)

