

- 2 Rectangle A has length $(2x + 3)$ cm and width $(x + 1)$ cm.
Rectangle B has length $(3x - 5)$ cm and width $(x + 2)$ cm.
The area of rectangle A is equal to the area of rectangle B .

Calculate the value of x

Give your answer to 3 significant figures.

Show your working clearly.

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

$$\left[\text{Solutions of } ax^2 + bx + c = 0 \text{ are } x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \right]$$



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Question 2 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 2 is 6 marks)

