Dr Oliver Mathematics
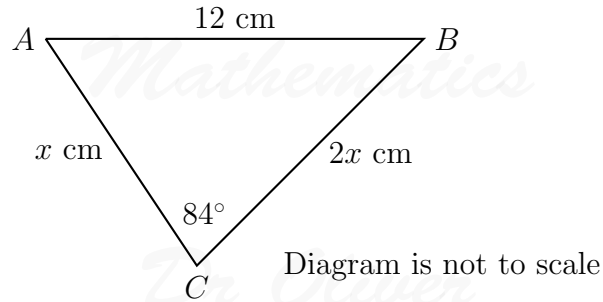# Worked Examples
Super Trigonometry 3

From: Mathsbox 8/9 Revision Packs

1. The diagram shows triangle ABC.

12 cm

A B

x cm $2x$ cm

$84°$

C Diagram is not to scale

- $AB = 12$ cm.

- $BC = 2x$ cm.

- $AC = x$ cm.

- $\angle ACB = 82°$.

Find x.
Give your answer correct to 1 decimal.