IGCSE – Greatest and least values -3

15

B

NOT TO
SCALE

10cm

A

3cm

C
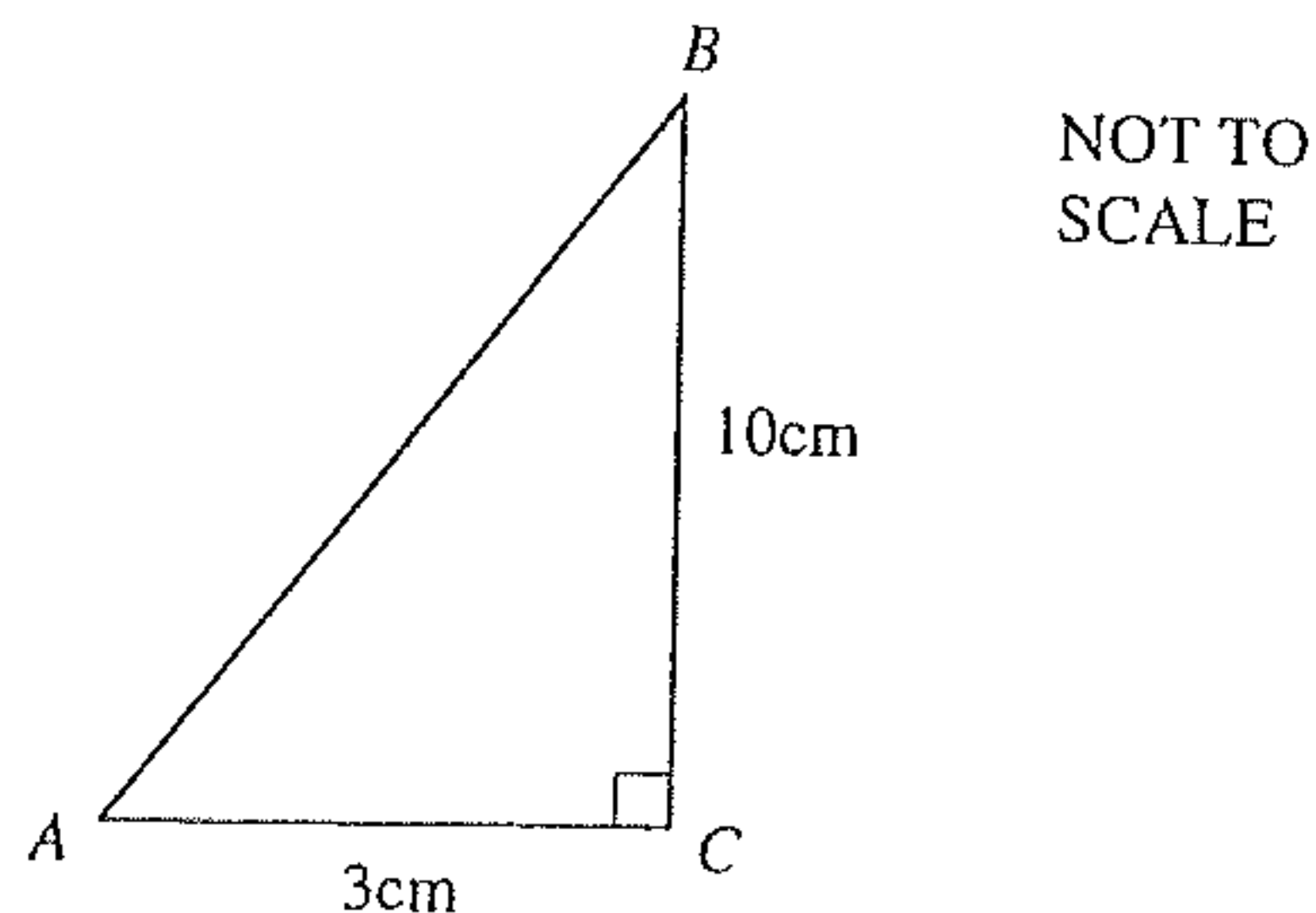
In triangle *ABC*, angle *ACB* = 90° exactly but the lengths *AC* = 3 cm and *BC* = 10 cm are only correct to the nearest centimetre.

(a) Write down the smallest possible value of *AC*.

Answer (a)...cm [1]

(b) Calculate, correct to 1 decimal place, the largest possible size of angle *BAC*.

Answer (b) .... [2]

Oct 02 Paper 2

8   The length of a road is 380 m, correct to the nearest 10 m.
    Maria runs along this road at an average speed of 3.9 m/s.
    This speed is correct to 1 decimal place.
    Calculate the greatest possible time taken by Maria.

Answer .... s   [3]