Instructions

- Use black ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided — there may be more space than you need.
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- You must show all your working out.

Information

- The marks for each question are shown in brackets — use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end
1

Work out the value of $x$.
Give your answer to 1 decimal place.

(Total for question 1 is 3 marks)

2

Work out the length of BC.
Give your answer to 3 significant figures.

(Total for question 2 is 3 marks)
3

Work out the value of $x$.
Give your answer to 3 significant figures.

4

Work out the size of angle $x$.
Give your answer to 3 significant figures.
Work out the length of AC.
Give your answer to 1 decimal place.

\(..........................\text{cm}\)

(Total for question 5 is 3 marks)

Work out the size of angle \(BAC\).
Give your answer to 3 significant figures.

\(..........................^\circ\)

(Total for question 6 is 3 marks)
Work out the value of \( x \).
Give your answer to 1 decimal place.
Work out the perimeter of triangle $ABC$.
Give your answer to 3 significant figures.
Work out the area of triangle $ABC$

Give your answer to 1 decimal place.
Angle $ABC$ is obtuse.
Work out the size of angle $ABC$.
Give your answer to 3 significant figures.