1

100º

13 cm

10 cm

x cm

Work out the value of *x*.
Give your answer to 1 decimal place. **(3 marks)**

2

B

5 m

42º

A

7 m

C

Work out the length of BC
Give your answer to 3 significant figures **(3 marks)**

3

A

15 cm

B

12 cm

20º

C

Work out the length of AB
Give your answer to 1 decimal place **(3 marks)**

4

A

5.3 m

x m

B

6.2 m

43º

C

Work out the value of *x*.
Give your answer to 3 significant figures **(3 marks)**

5

*x*º

15 cm

16 cm

20 cm
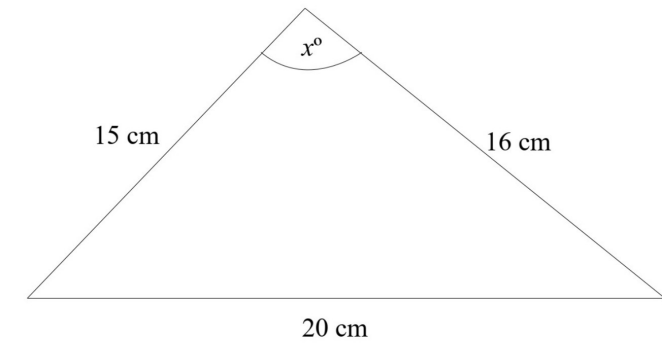
Work out the value of *x*.
Give your answer to 3 significant figures **(3 marks)**

6

A

10 m

5 m

B

9 m

C
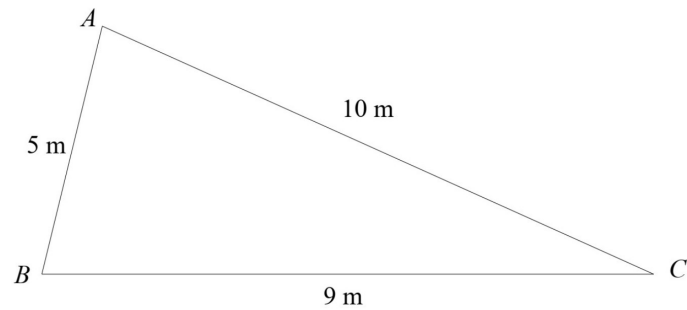
Work out the size of angle *ABC*
Give your answer to the nearest degree **(3 marks)**

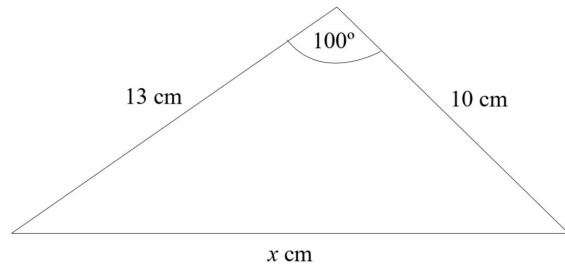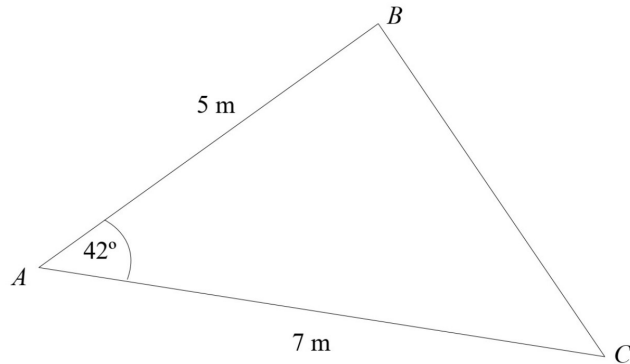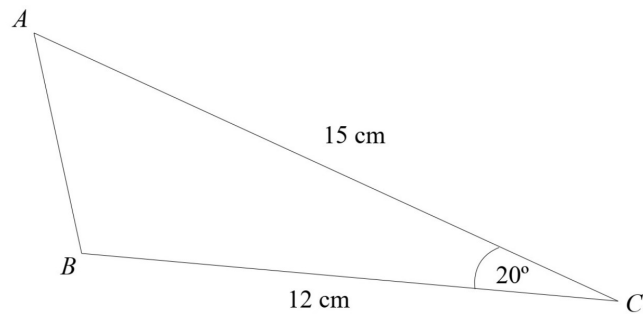| Grade 7	Cosine Rule	

7
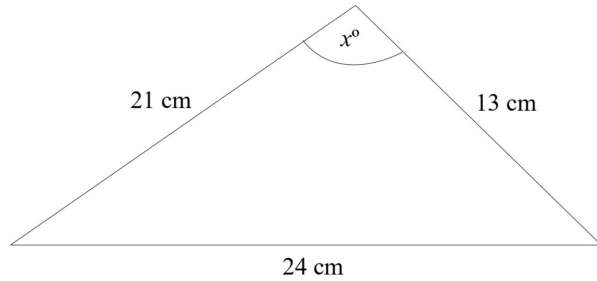
Work out the value of *x*.
Give your answer to 1 decimal place. **(3 marks)**

8

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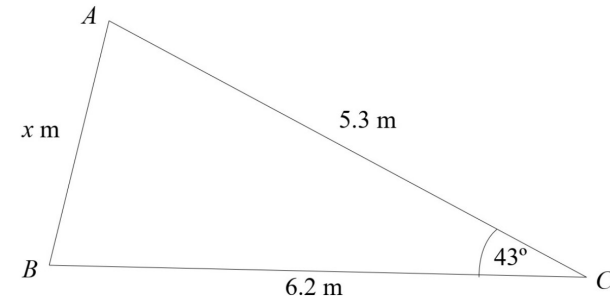Give your answer to 3 significant figures **(3 marks)**

9

Work out the value of *x*.
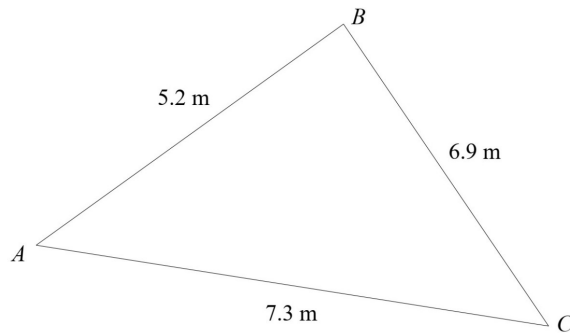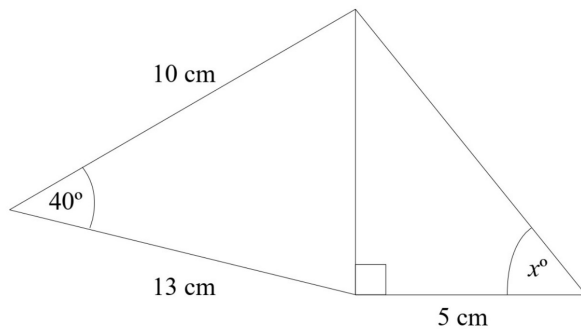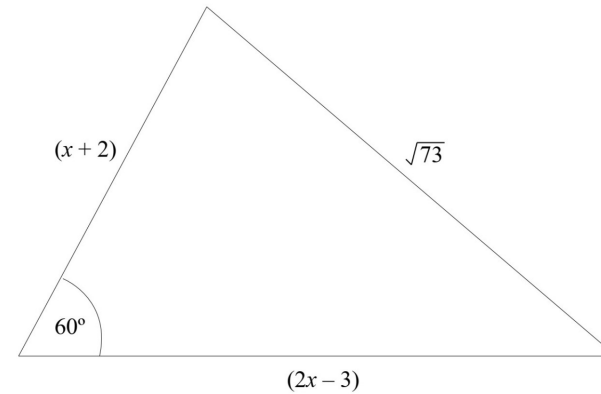Give your answer to 1 decimal place. **(5 marks)**
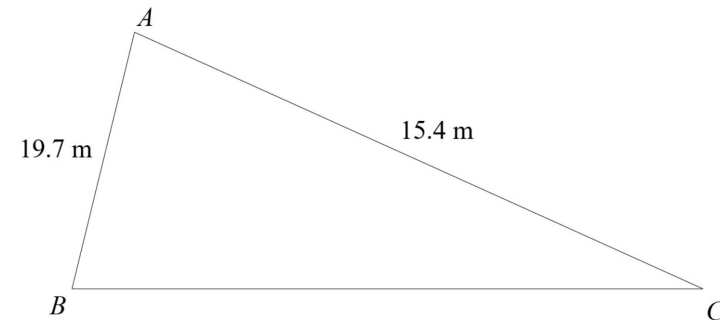
10

Work out the value of *x*. **(5 marks)**

11

The area of the triangle is 100m^2
Calculate the perimeter of triangle *ABC*.
Give your answer to 3 significant figures **(5 marks)**

| Grade 7 | Cosine Rule | |