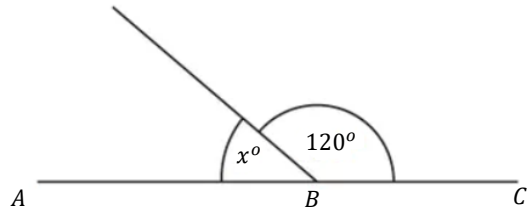


1.  $ABC$  is a straight line.

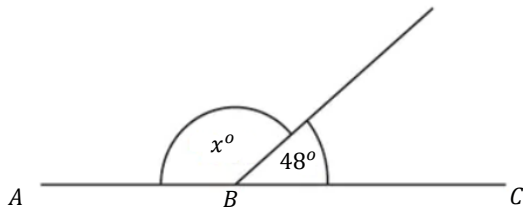
Find the value of  $x$ .



1 mark

2.  $ABC$  is a straight line.

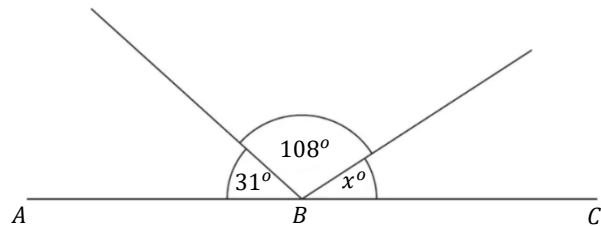
Find the value of  $x$ .



1 mark

3.  $ABC$  is a straight line.

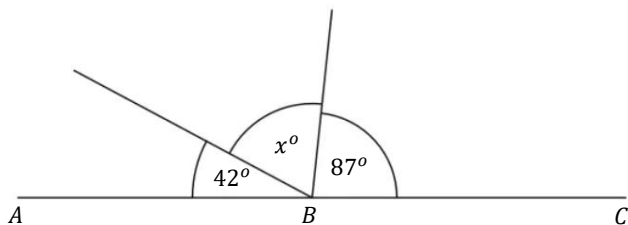
Find the value of  $x$ .



2 marks

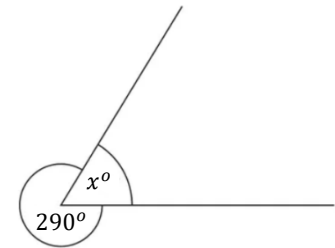
4.  $ABC$  is a straight line.

Find the value of  $x$ .



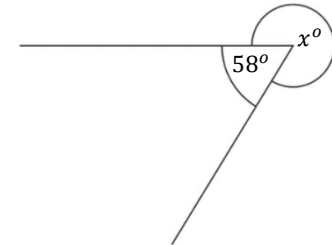
2 marks

5. Work out the size of the angle marked  $x$ .



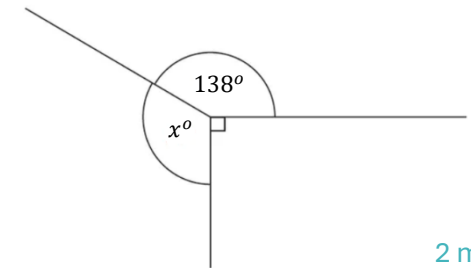
1 mark

6. Work out the size of the angle marked  $x$ .



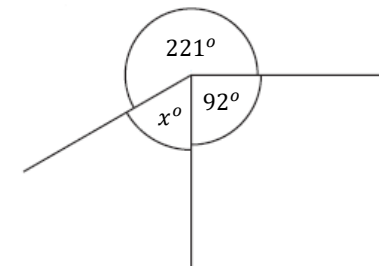
1 mark

7. Work out the size of the angle marked  $x$ .



2 marks

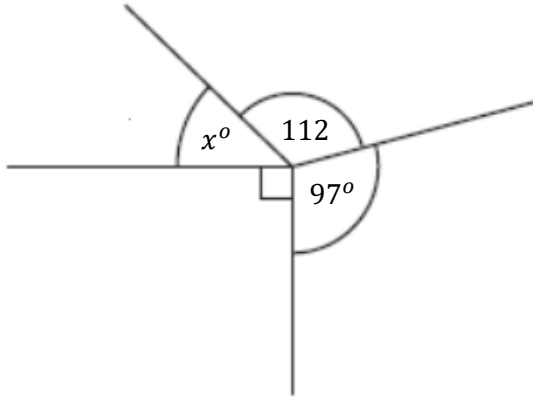
8. Work out the size of the angle marked  $x$ .



2 marks

9.

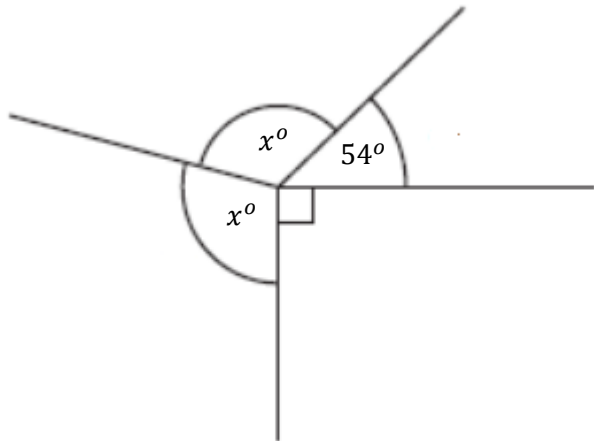
a) Work out the size of the angle marked  $x$ .



b) Give a reason for your answer.

3 marks

10. a) Work out the size of the angle marked  $x$ .

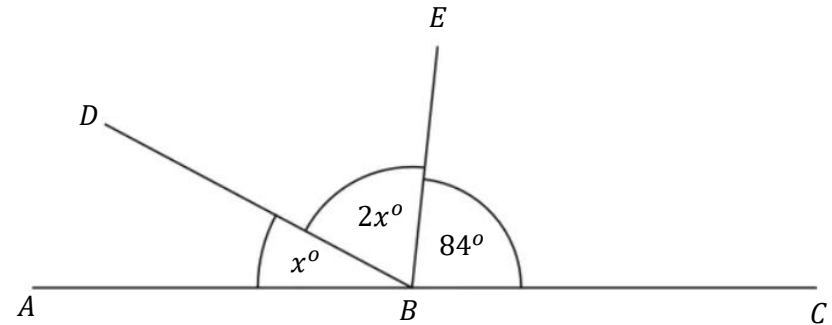


b) Give a reason for your answer.

3 marks

11.  $ABC$  is a straight line.

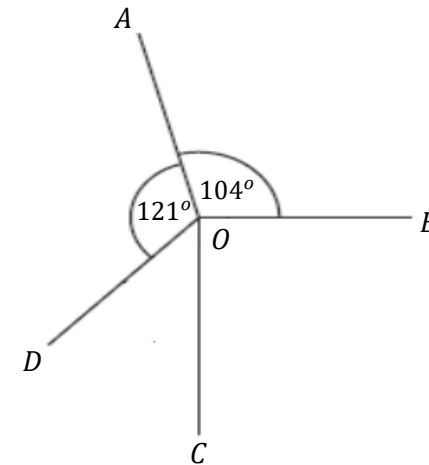
Angle  $DBE$  is twice the size of angle  $DBA$



Find the size of angle  $DBE$ .

3 marks

12. Angle  $BOC$  is twice the size of angle  $DOC$



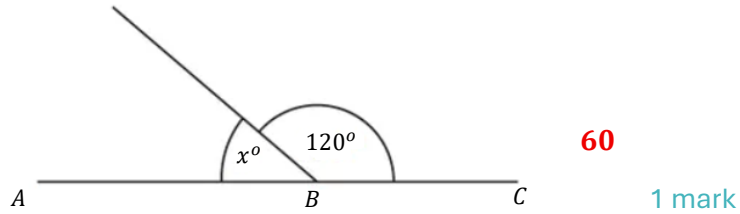
Isabelle says: "angle  $BOC$  must be a right angle"

Is Isabelle correct? You must show how you get your answer.

3 marks

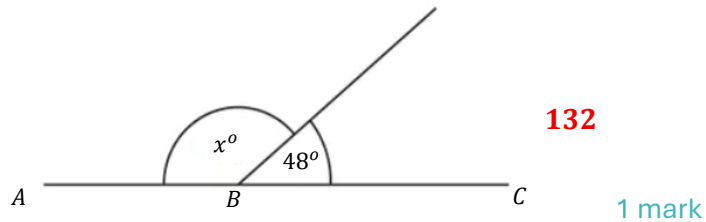
1.  $ABC$  is a straight line.

Find the value of  $x$ .



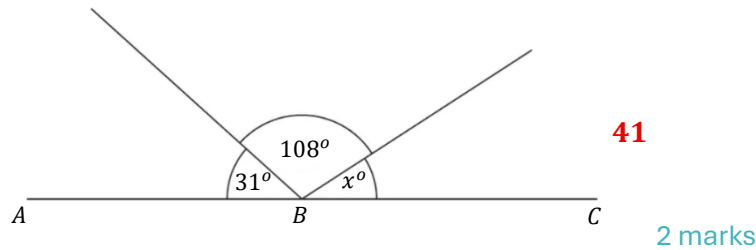
2.  $ABC$  is a straight line.

Find the value of  $x$ .



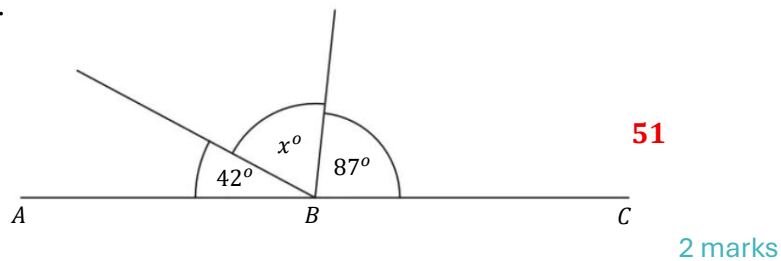
3.  $ABC$  is a straight line.

Find the value of  $x$ .



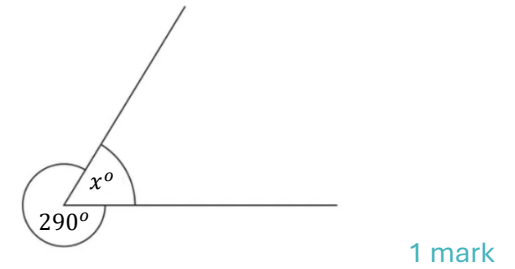
4.  $ABC$  is a straight line.

Find the value of  $x$ .



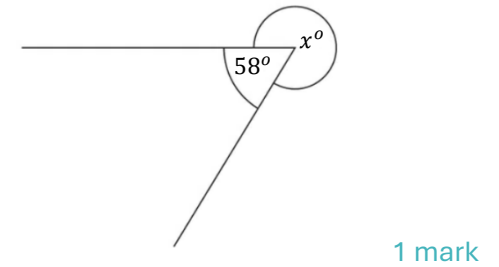
5. Work out the size of the angle marked  $x$ .

**70**



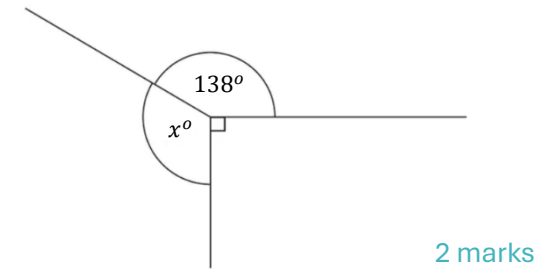
6. Work out the size of the angle marked  $x$ .

**302**



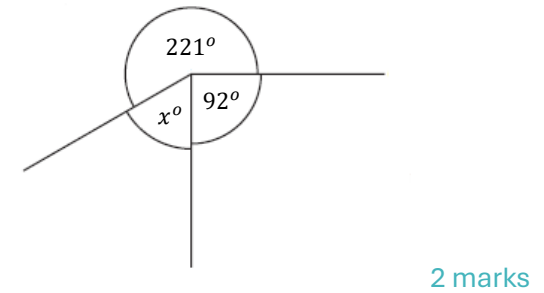
7. Work out the size of the angle marked  $x$ .

**132**



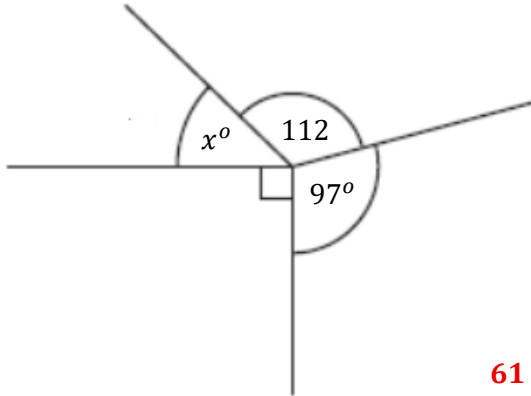
8. Work out the size of the angle marked  $x$ .

**47**



9.

a) Work out the size of the angle marked  $x$ .

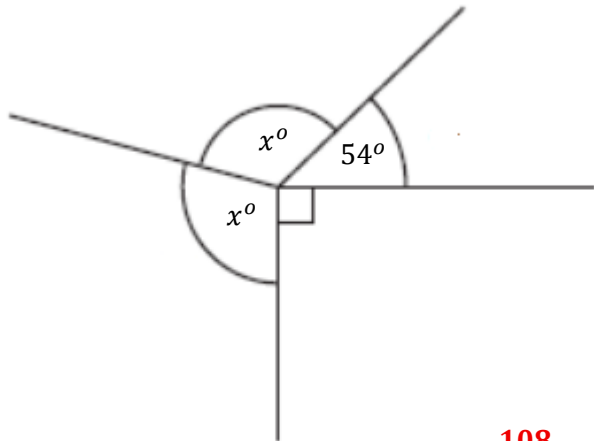


61

b) Give a reason for your answer.

Angles around a point sum to 360 degrees. 3 marks

10. a) Work out the size of the angle marked  $x$ .



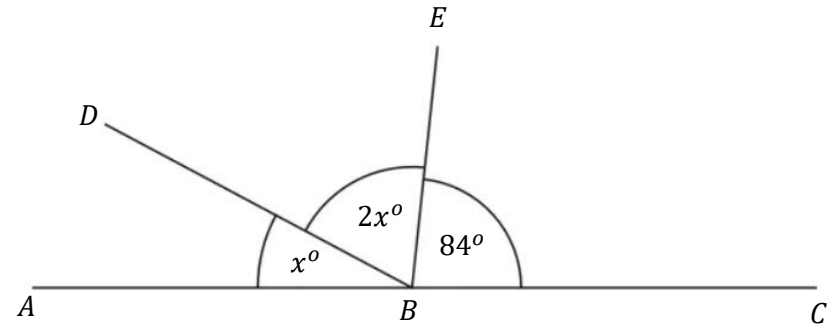
108

b) Give a reason for your answer.

Angles around a point sum to 360 degrees. 3 marks

11.  $ABC$  is a straight line.

Angle  $DBE$  is twice the size of angle  $DBA$

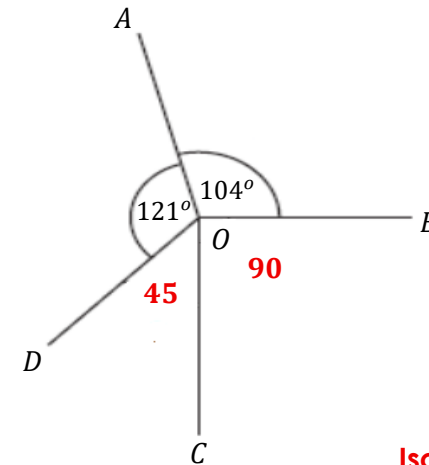


Find the size of angle  $DBE$ .

64

3 marks

12. Angle  $BOC$  is twice the size of angle  $DOC$



Isabelle is correct.  $BOC$  is equal to 90 degrees

Isabelle says: "angle  $BOC$  must be a right angle"

Is Isabelle correct? You must show how you get your answer.

3 marks