

AQA, OCR, Edexcel

GCSE

GCSE Maths

Circle Theorems Questions

Name:

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Mathsmadeeasy.co.uk

Total Marks: /19

Circle Theorems

1. Points **A**, **B** and **C** are all on the circumference of the circle, **O** represents the centre. Calculate the angle x .

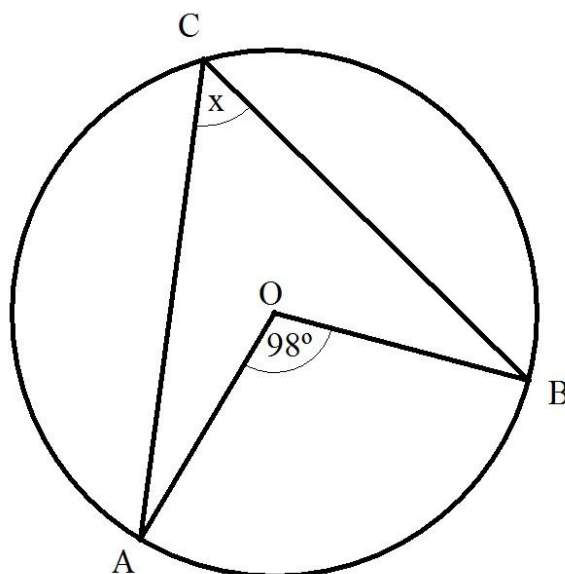


Diagram **NOT**
accurately drawn

(1 Mark)

2. Points **A**, **B** and **C** are all on the circumference of the circle. Line **AB** is a straight line going through the centre **O**. Calculate angle x

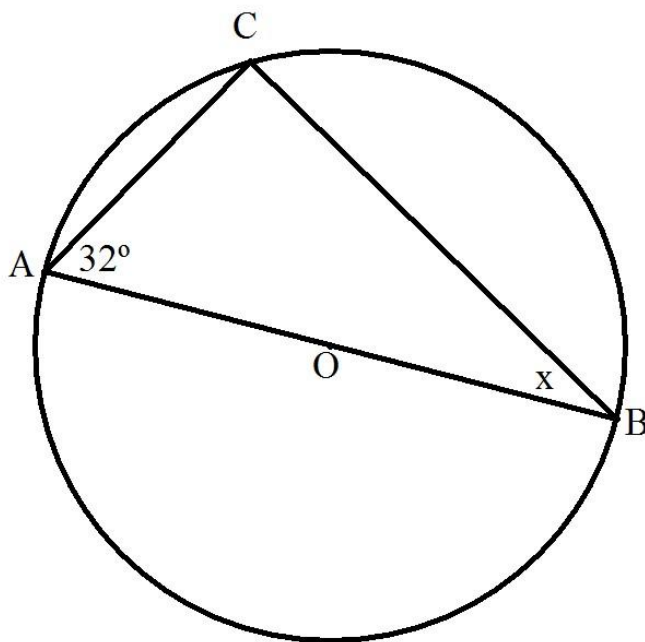
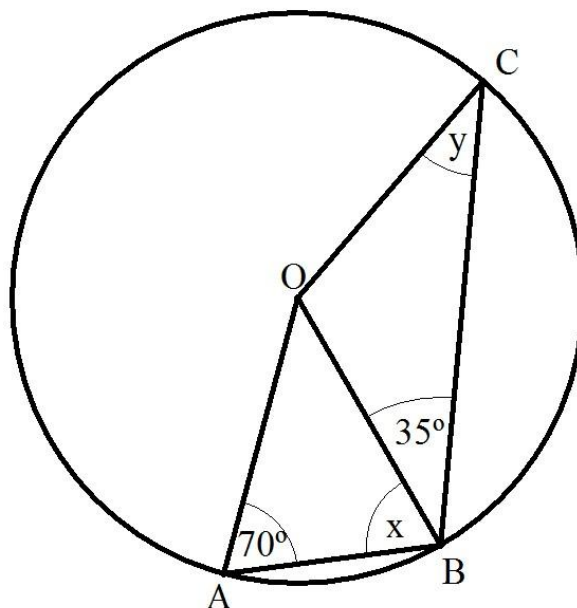


Diagram **NOT**
accurately drawn

(2 Marks)

3. Points A, B and C are all on the circumference of the circle. O represents the centre. Calculate the Angle of x and y .

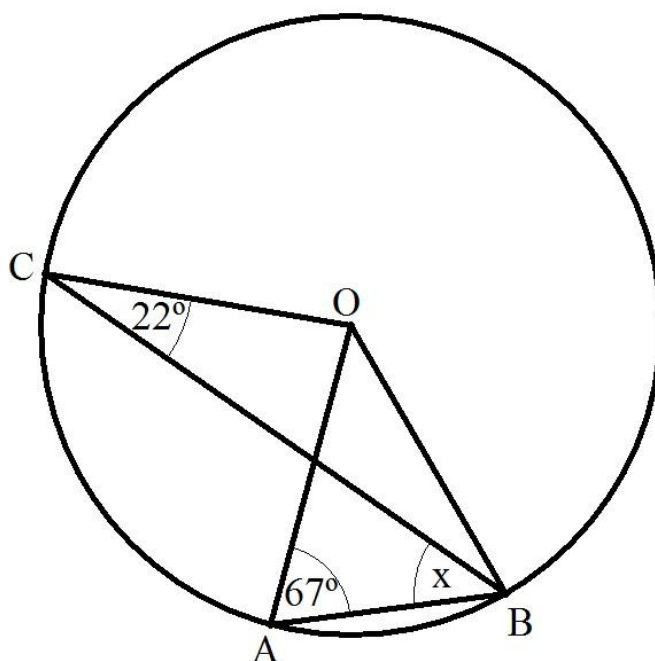
Diagram NOT accurately drawn



(2 Marks)

4. Points A, B and C are all on the circumference of the circle. O represents the centre. Calculate the angle x .

Diagram NOT accurately drawn



(3 Marks)

5. Points A, B and C are all on the circumference of the circle.

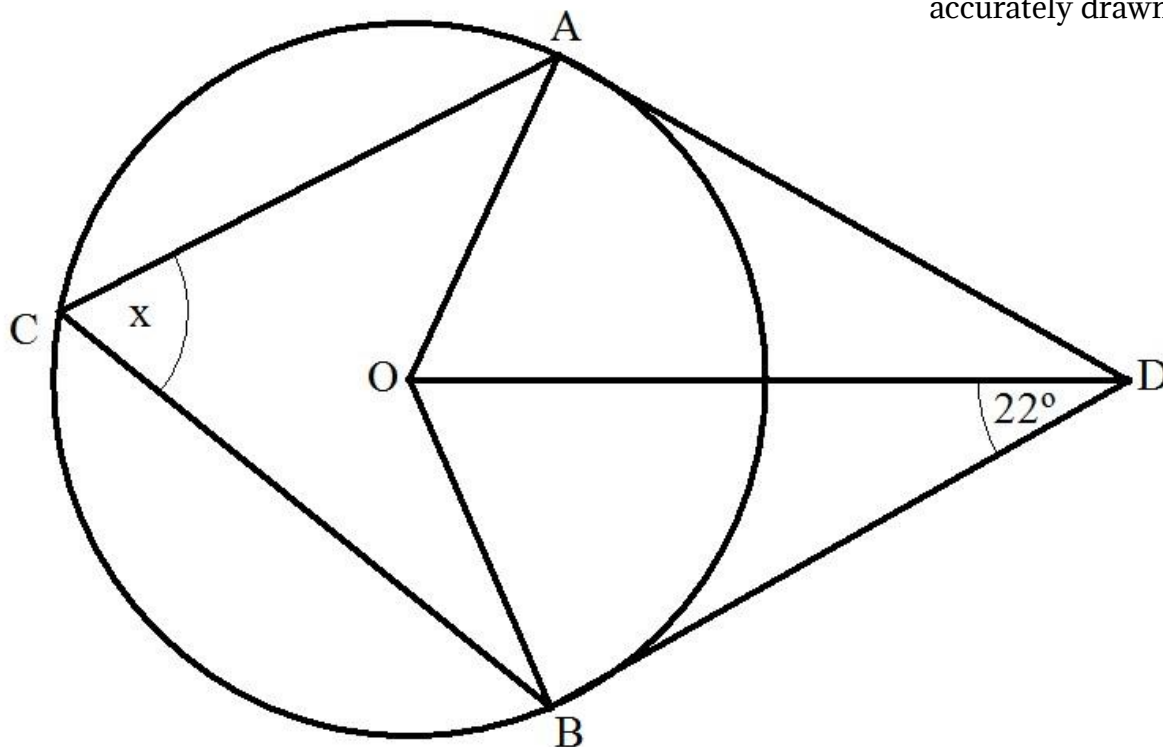
O represents the centre.

DA and DB are tangents to the circle.

Angle BDO = 22°

Work out the size of angle x .

Diagram NOT
accurately drawn



(3 Marks)

6. Points A, B and C are all on the circumference of the circle.

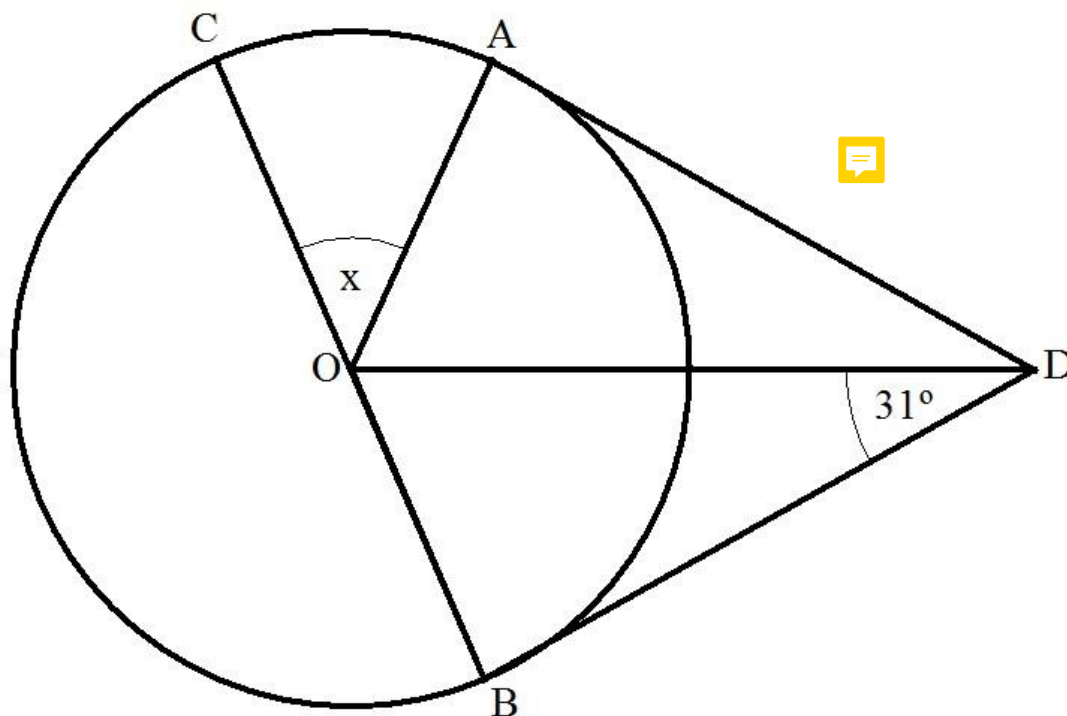
O represents the centre.

DA and DB are tangents to the circle.

Angle BDO = 31°

Work out the size of angle x .

Diagram NOT
accurately drawn



(3 Marks)

7. Points A, B and C are all on the circumference of the circle.

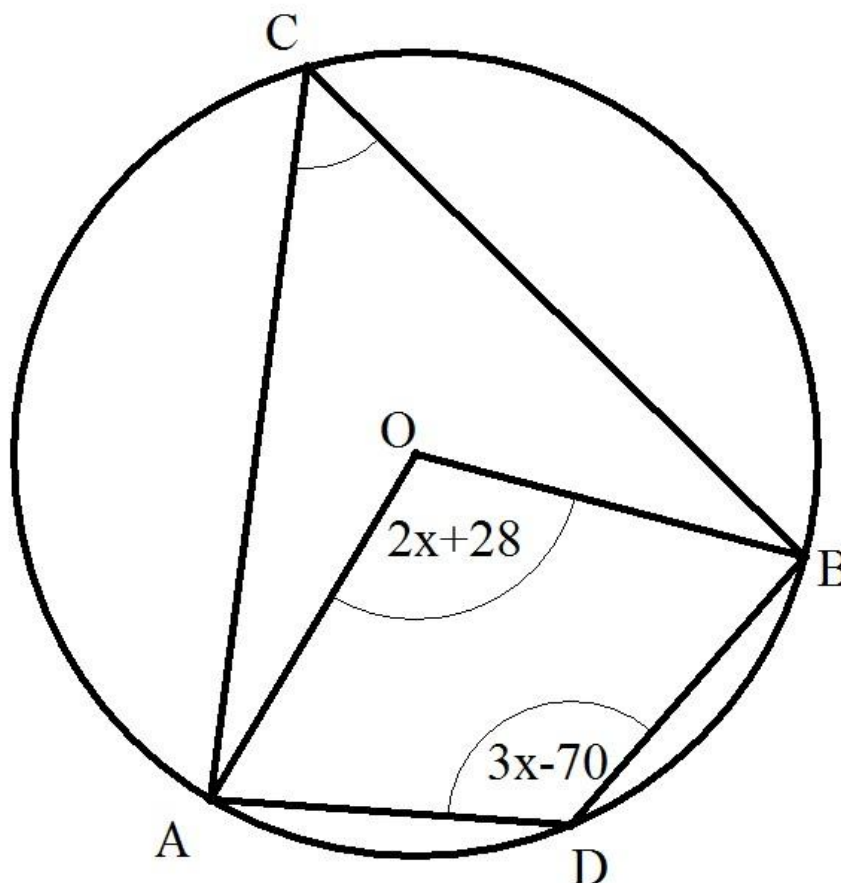
O represents the centre.

Angle AOB = $2x + 28$

Angle ADB = $3x - 70$

Calculate the value for x . (Hard)

Diagram NOT
accurately drawn



(5 Marks)