



SCAN ME

Circle Theorems

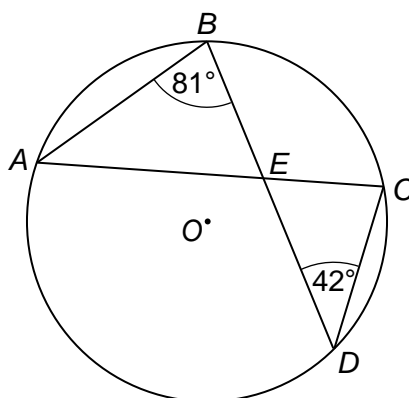


SCAN ME

REVISE THIS
TOPIC

CHECK YOUR
ANSWERS

- 1 A, B, C and D are points on a circle, centre O .



- 1 (a) Write down the size of angle CAB . [1 mark]

Answer _____ degrees

- 1 (b) Write down the size of angle ACD . [1 mark]

Answer _____ degrees

- 1 (c) Write down the size of angle AEB . [1 mark]

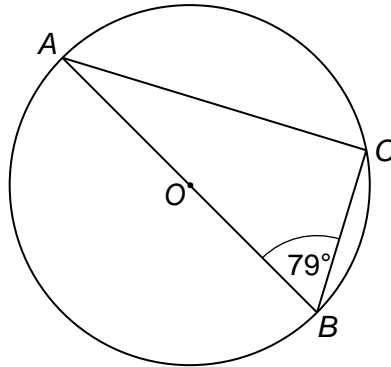
Answer _____ degrees

- 1 (d) Write down the size of angle BEC . [1 mark]

Answer _____ degrees



- 2 A, B, and C are points on a circle, centre O.



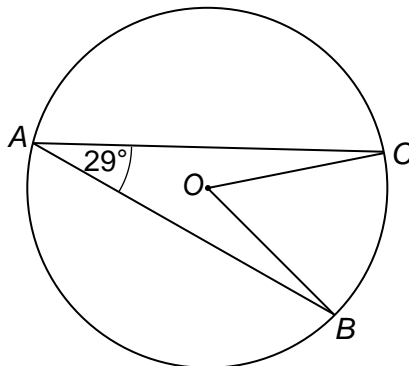
Work out the size of angle CAB .
Give a reason for your answer.

[2 marks]

Answer _____ degrees

Reason _____

- 3 A, B, and C are points on a circle, centre O.



Work out the size of angle COB .
Give a reason for your answer.

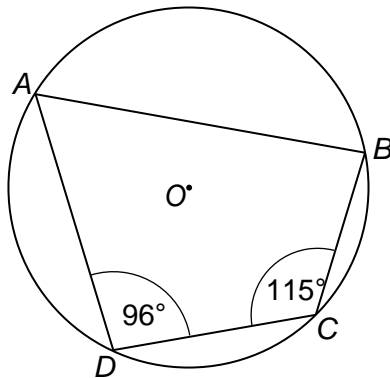
[2 marks]

Answer _____ degrees

Reason _____



- 4 A , B , C and D are points on a circle, centre O .



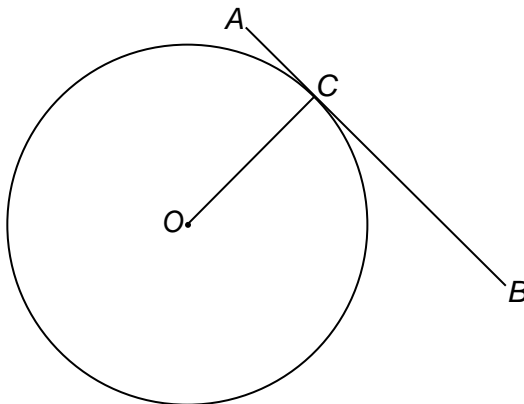
Work out the size of angle ABC .
Give a reason for your answer.

[2 marks]

Answer _____ degrees

Reason _____

- 5 A , B , and C are points on a circle, centre O .
 AB is a tangent.



Work out the size of angle OCB .
Give a reason for your answer.

[2 marks]

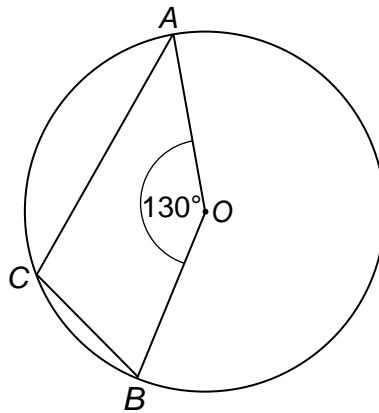
Answer _____ degrees

Reason _____





- 8 A, B, and C are points on a circle, centre O.



Work out the size of angle ACB .
Give reasons for your answer.

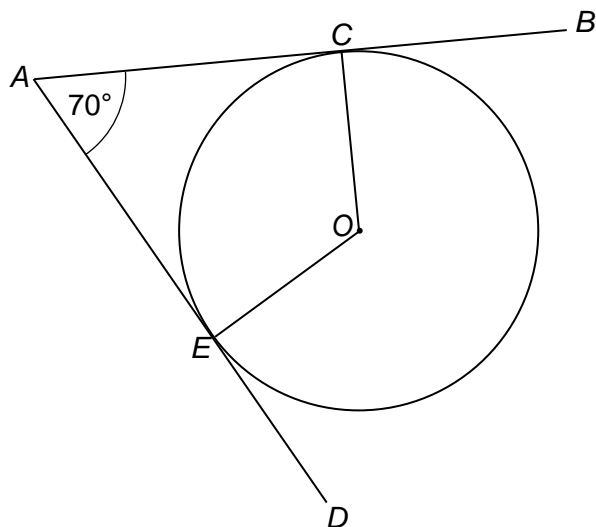
[3 marks]

Answer _____ degrees





- 11 C and E are points on a circle, centre O.
AB and AD are tangents.



- 11 (a) Work out the size of angle COE.

[2 marks]

Answer _____ degrees

- 11 (b) $OC = 5$ cm
Work out the length of CA to 1 decimal place.

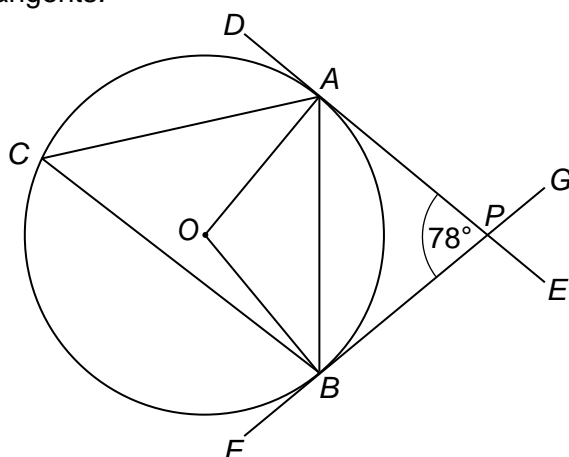
[2 marks]

Answer _____ cm





- 13 A , B , and C are points on a circle, centre O .
 DE and FG are tangents.



- 13 (a) Work out the size of angle ACB .

[2 marks]

Answer _____ degrees

- 13 (b) Work out the size of angle ABP .

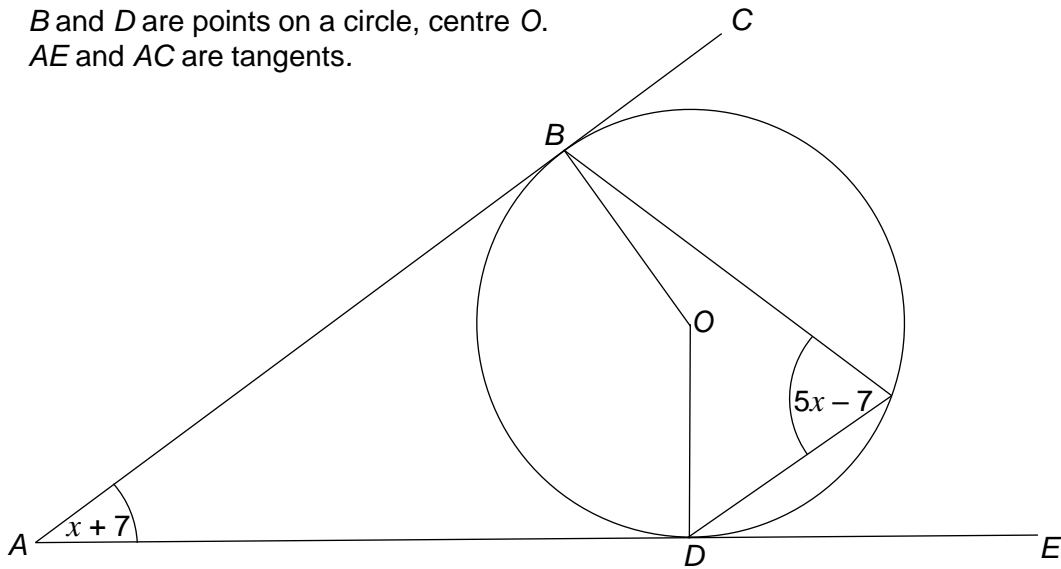
[2 marks]

Answer _____ degrees





- 15 *B and D are points on a circle, centre O .
 AE and AC are tangents.*



- 15 (a) Work out the value of x [3 marks]

Answer _____ degrees

- 15 (b) $AD = 30$ cm
 Work out the length of OD to 3 significant figures. [3 marks]

Answer _____ cm

