

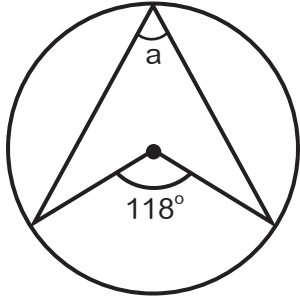
Circle Theorems (A)

ANSWERS



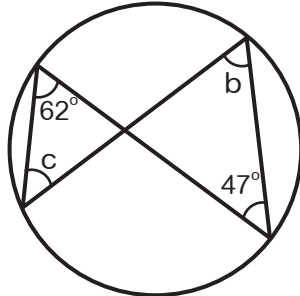
Section A Calculate the missing angles.

1)



a) 59°

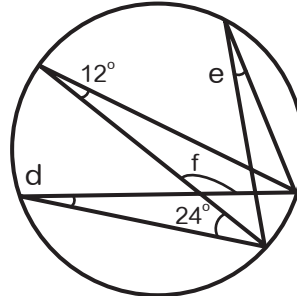
2)



b) 62°

c) 47°

3)

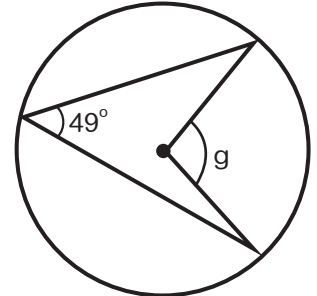


d) 12°

e) 12°

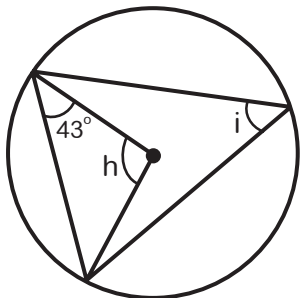
f) 144°

4)



g) 98°

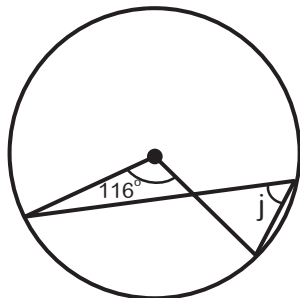
5)



h) 94°

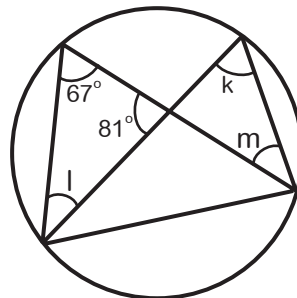
i) 47°

6)



j) 58°

7)

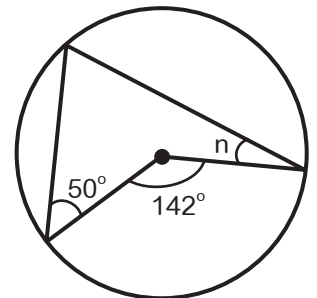


k) 67°

l) 32°

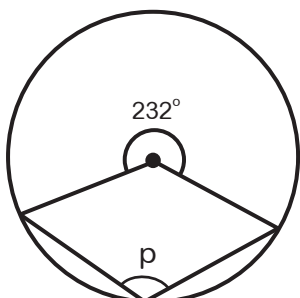
m) 32°

8)



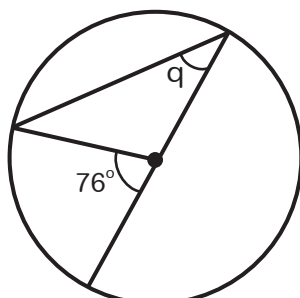
n) 21°

9)



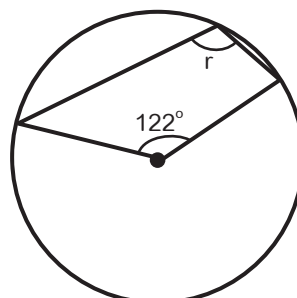
p) 116°

10)



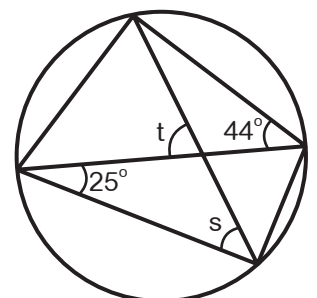
q) 38°

11)



r) 119°

12)



s) 44°

t) 69°

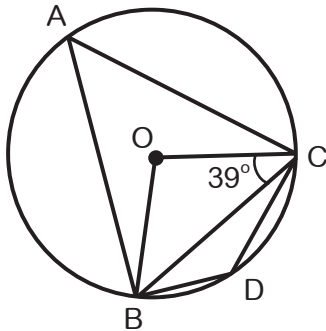
Circle Theorems (A)

ANSWERS



Section B

1)



Calculate the following:

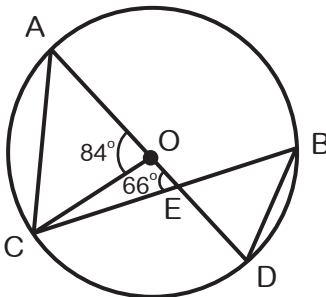
Angle OBC: 38°

Angle COB: 102°

Angle CAB: 51°

Angle BDC: 129°

2)



Calculate the following:

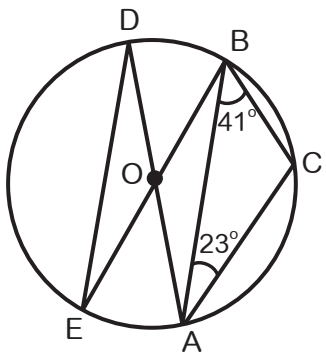
Angle OAC: 48°

Angle COD: 96°

Angle CBD: 48°

Angle EDB: 66°

3)



Calculate the following:

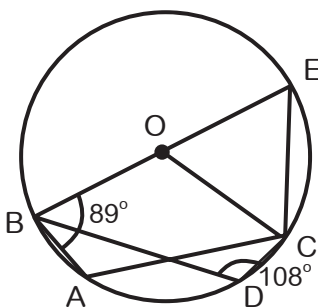
Angle BCA: 116°

Angle AOB: 128°

Angle OBA: 26°

Angle EDA: 26°

4)



Calculate the following:

Angle CAB: 108°

Angle BOC: 144°

Angle ACO: 19°

Angle OEC: 72°

Extension

Give reasons for your answers in section B.