

# Mixed circle theorem problems

Maths

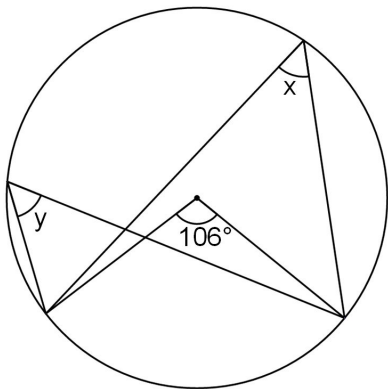
Mr Chan



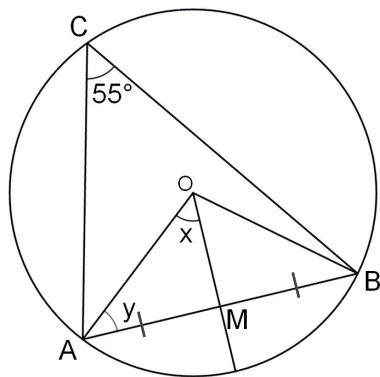
# Mixed circle theorem problems

1. Work out the size of each angle marked with a letter.

a)

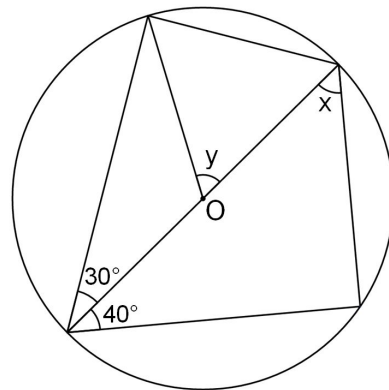


b)

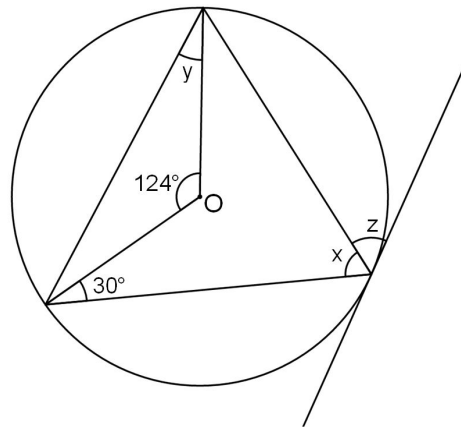


2. Work out the size of each angle marked with a letter.

a)

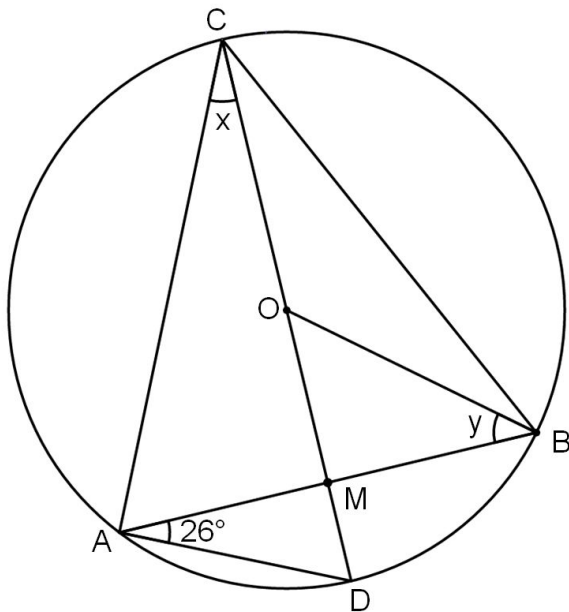


b)

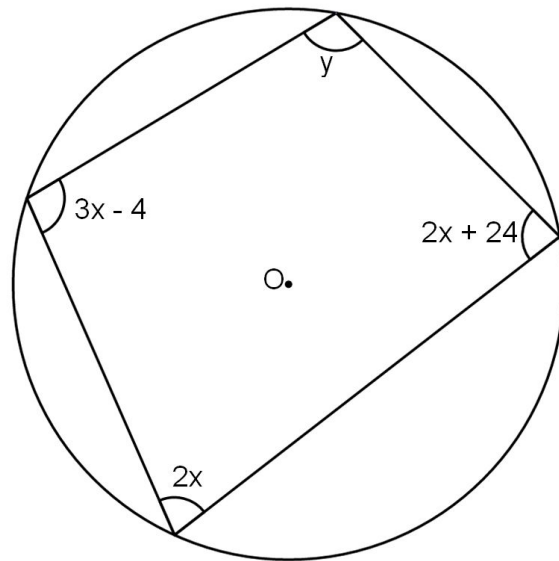


## Mixed circle theorem problems

3. The circle has centre  $O$  with a chord  $AB$ .  $CD$  is a diameter to the circle. Work out the size of angle  $x$  and  $y$ .



4. Work out the size of angle  $y$ .



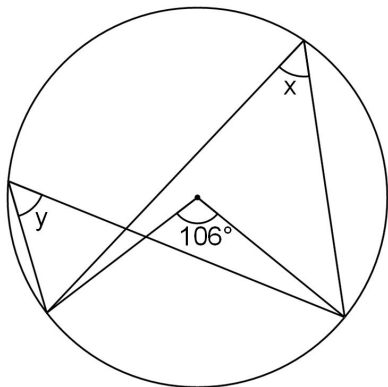
# Answers



# Mixed circle theorem problems

1. Work out the size of each angle marked with a letter.

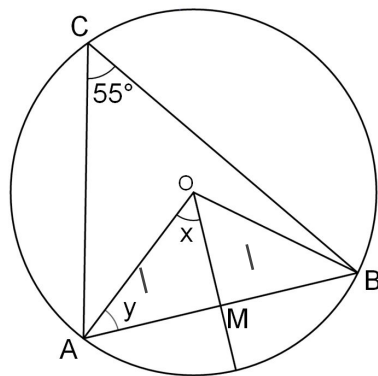
a)



$$x = 53^\circ$$

$$y = 53^\circ$$

b)

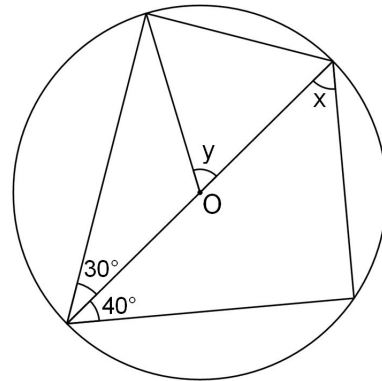


$$x = 55^\circ$$

$$y = 35^\circ$$

2. Work out the size of each angle marked with a letter.

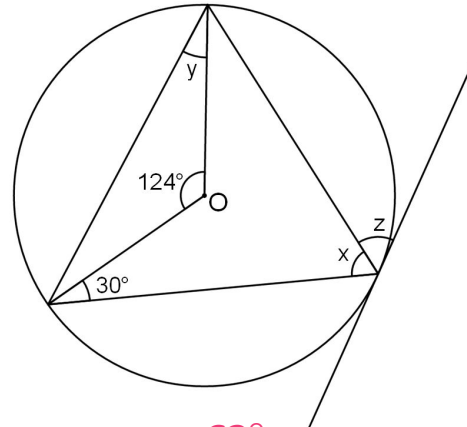
a)



$$x = 50^\circ$$

$$y = 60^\circ$$

b)



$$x = 62^\circ$$

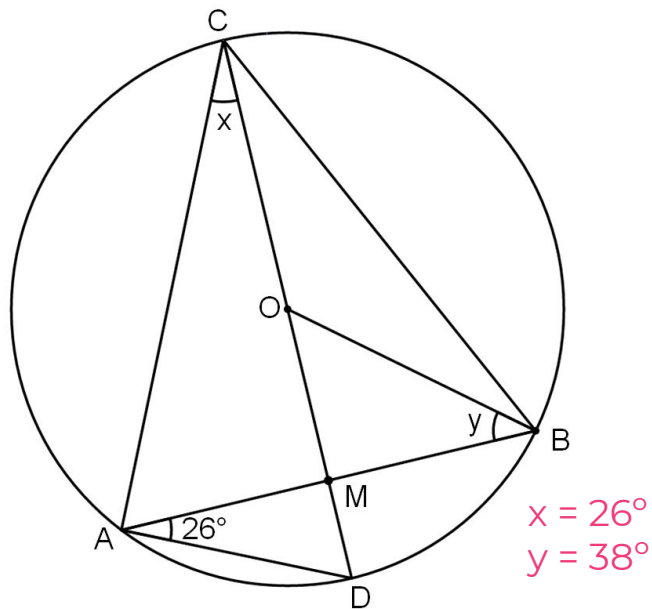
$$y = 28^\circ$$

$$z = 58^\circ$$



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