

# Circle Theorems

Videos 64/65 on Corbettmaths

Examples



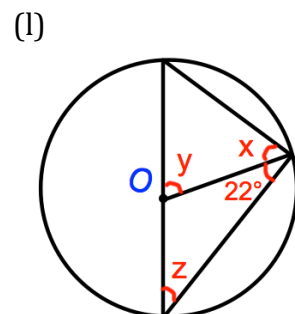
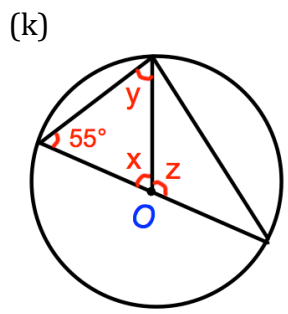
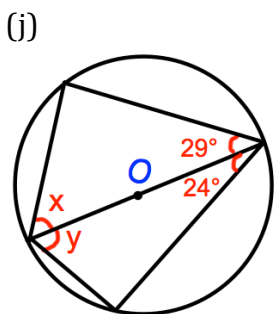
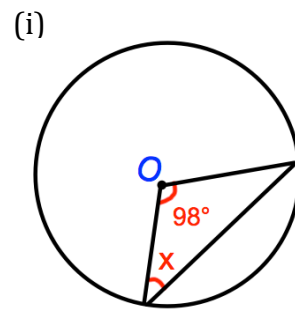
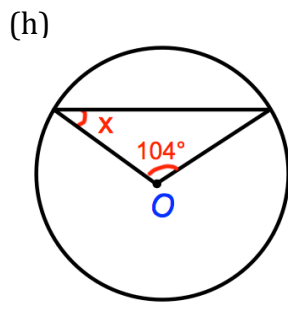
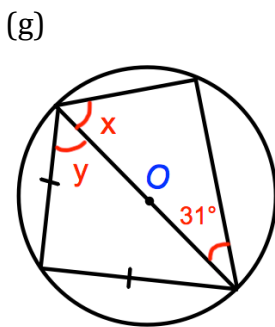
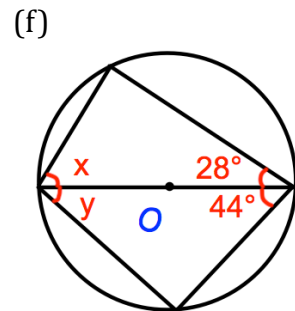
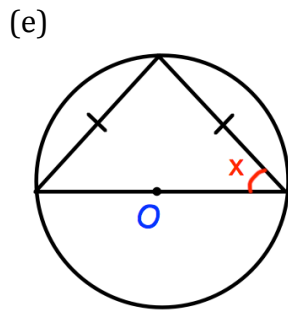
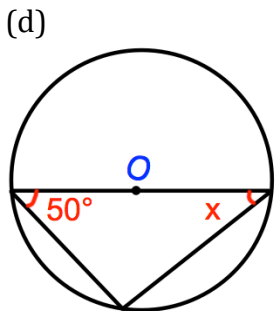
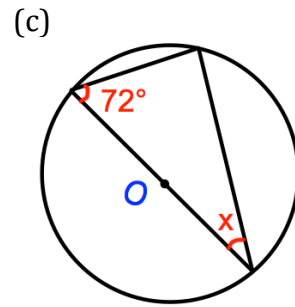
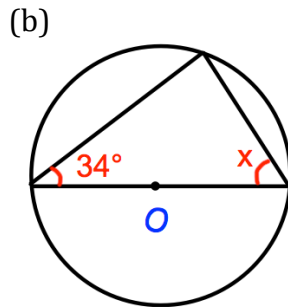
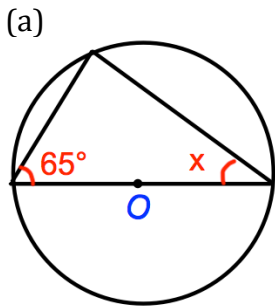
Click here



Scan here

Workout

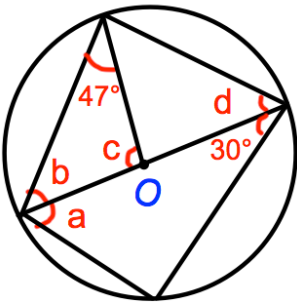
Question 1: Find the missing angles labelled in each of these circles



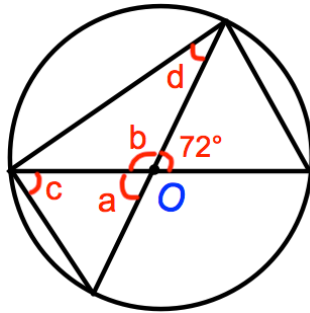
# Circle Theorems

Videos 64/65 on Corbettmaths

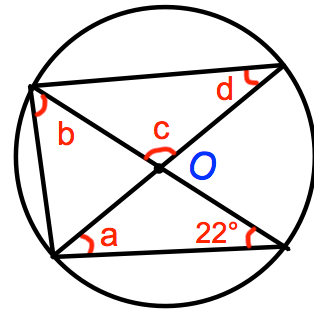
(m)



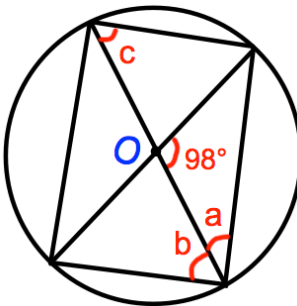
(n)



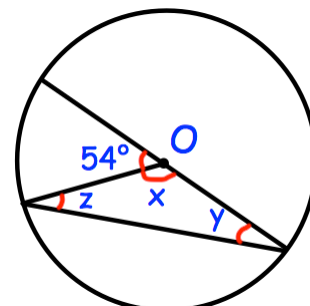
(o)



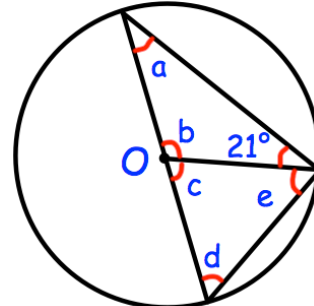
(p)



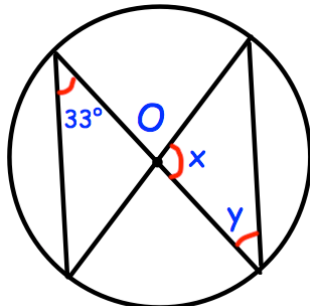
(q)



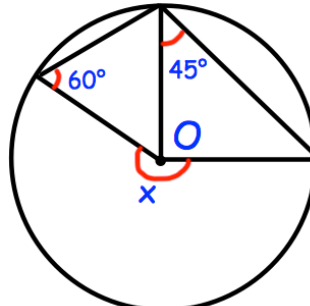
(r)



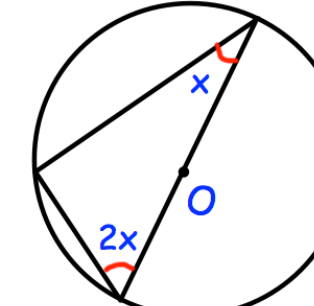
(s)



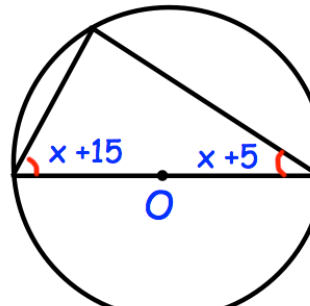
(t)



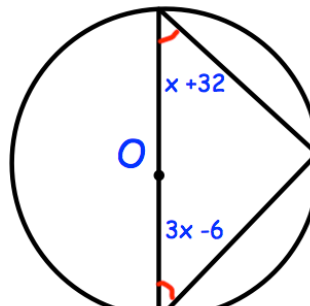
(u)



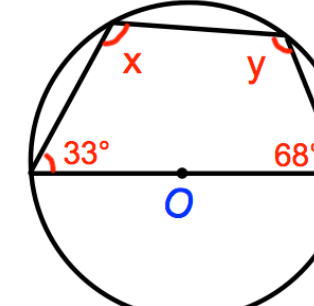
(v)



(w)



(x)

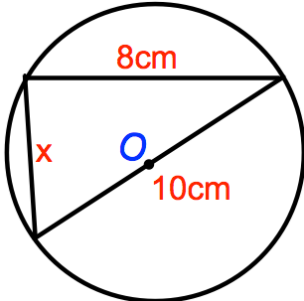


## Circle Theorems

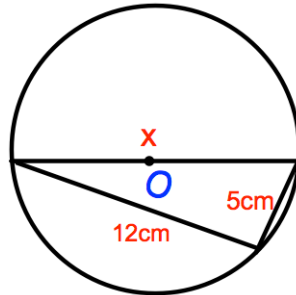
Videos 64/65 on Corbettmaths

Question 2: Calculate the length of sides labelled in the circles below

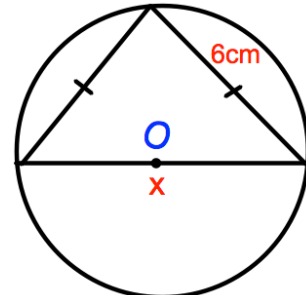
(a)



(b)

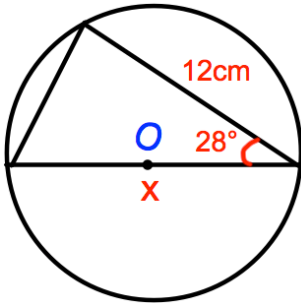


(c)

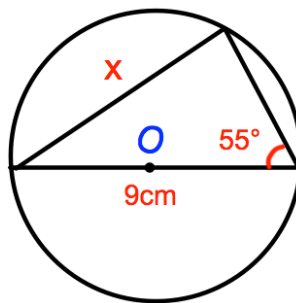


Question 3: Calculate the length of sides labelled in the circles below

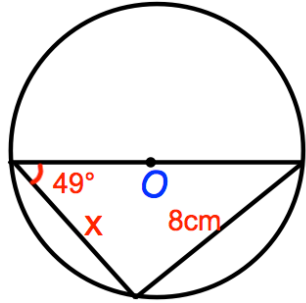
(a)



(b)

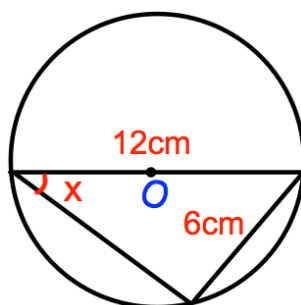


(c)

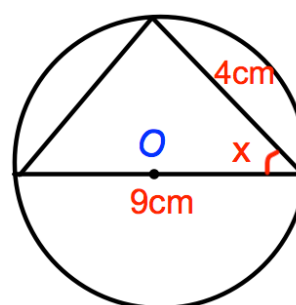


Question 4: Calculate the size of the missing angles

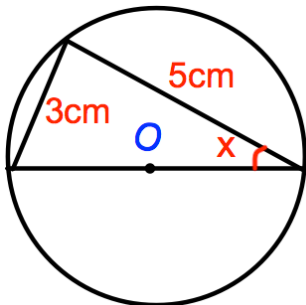
(a)



(b)

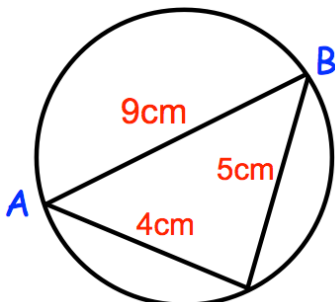


(c)

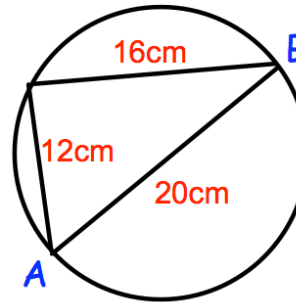


Question 5: State, with a reason, if AB is the diameter in each circle below.

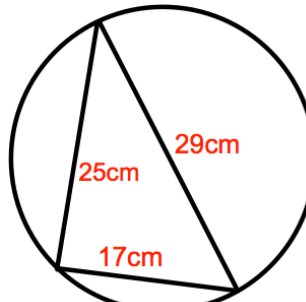
(a)



(b)



(c)

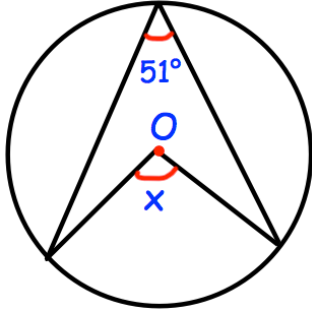


# Circle Theorems

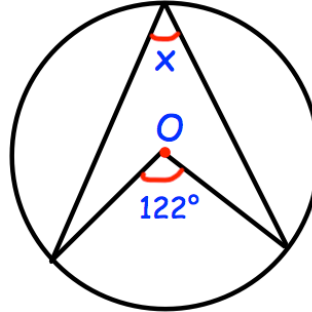
Videos 64/65 on Corbettmaths

Question 6: Find the missing angles labelled in each of these circles

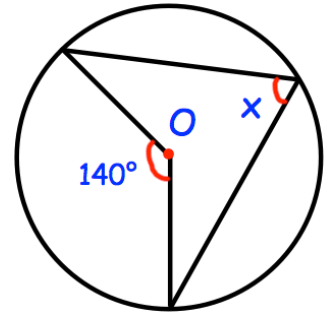
(a)



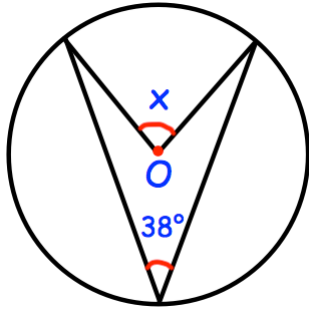
(b)



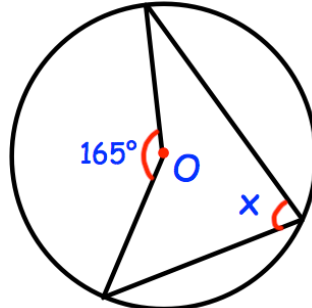
(c)



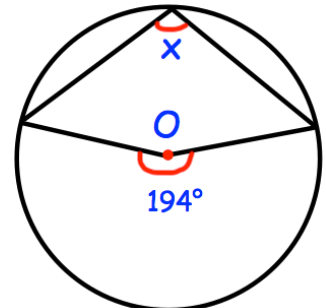
(d)



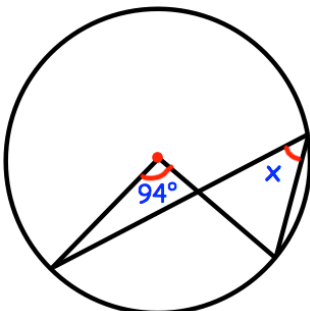
(e)



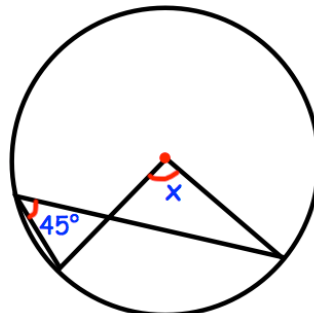
(f)



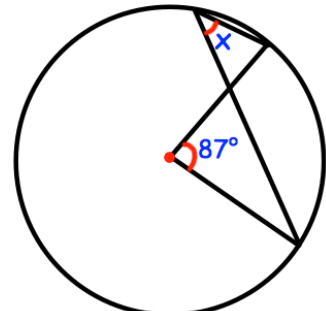
(g)



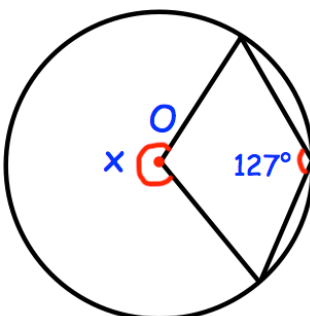
(h)



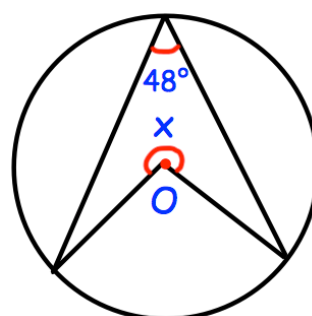
(i)



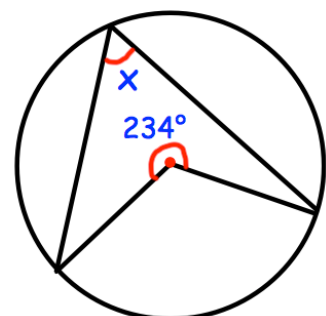
(j)



(k)



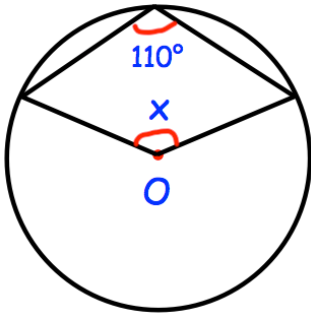
(l)



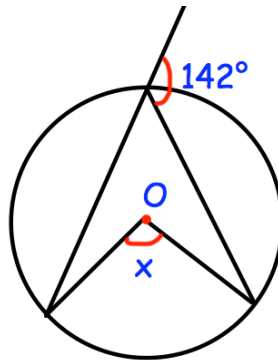
# Circle Theorems

Videos 64/65 on Corbettmaths

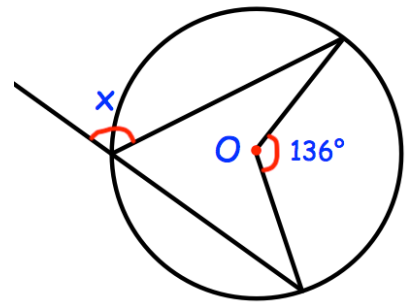
(m)



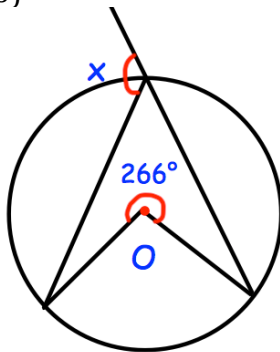
(n)



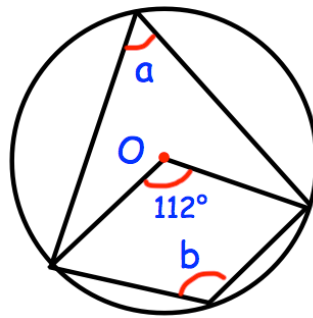
(o)



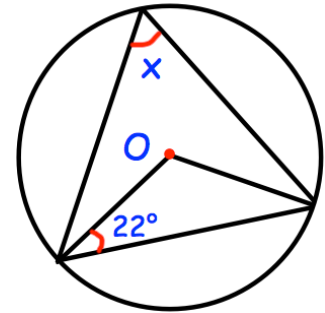
(p)



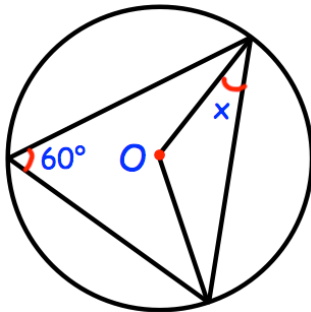
(q)



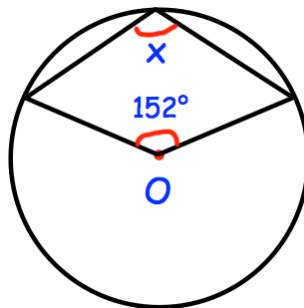
(r)



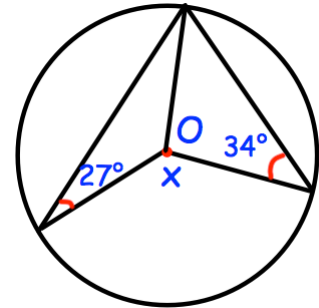
(s)



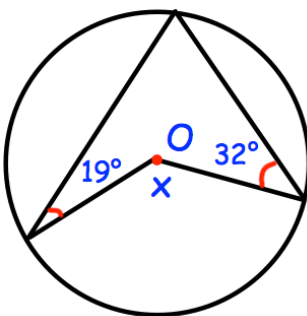
(t)



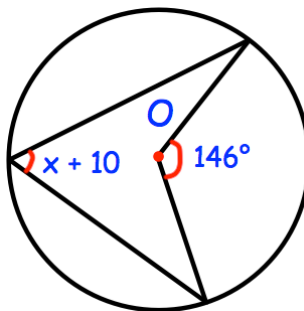
(u)



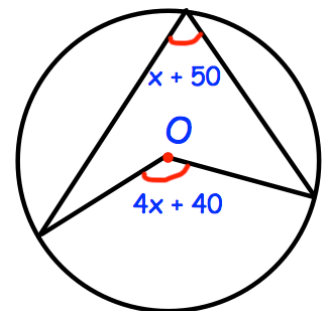
(v)



(w)



(x)

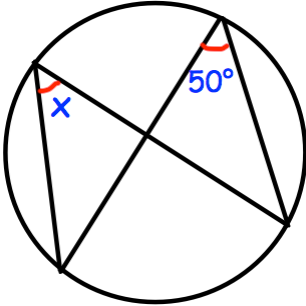


# Circle Theorems

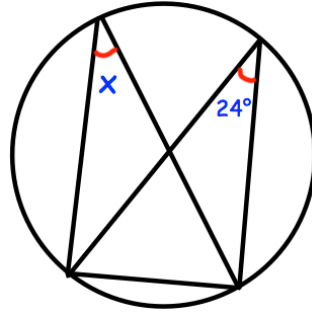
Videos 64/65 on Corbettmaths

Question 7: Find the missing angles labelled in each of these circles

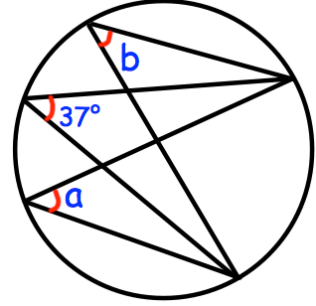
(a)



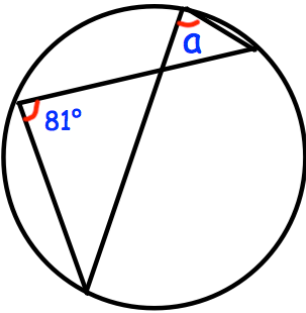
(b)



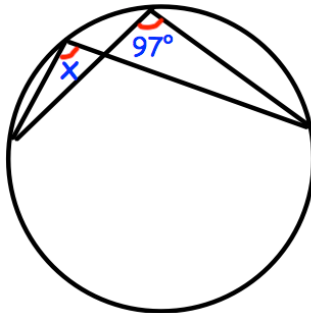
(c)



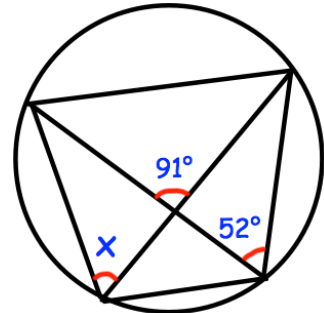
(d)



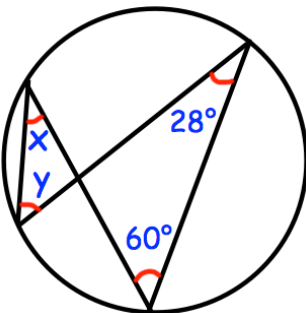
(e)



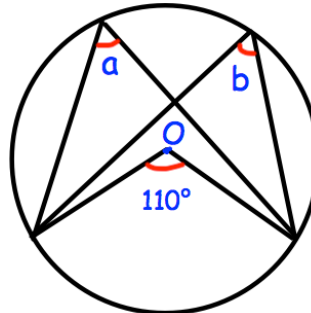
(f)



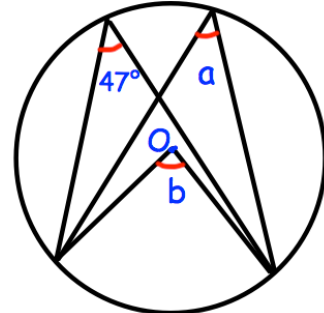
(g)



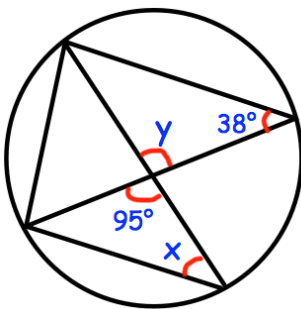
(h)



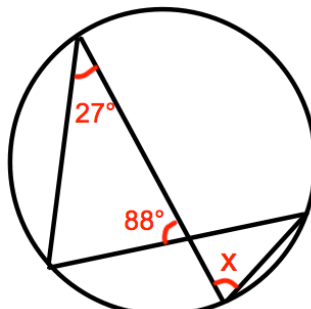
(i)



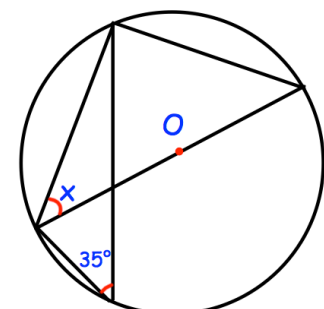
(j)



(k)



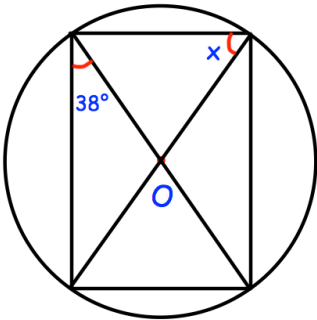
(l)



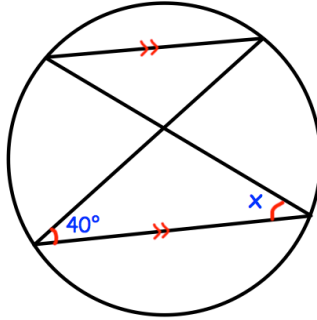
# Circle Theorems

Videos 64/65 on Corbettmaths

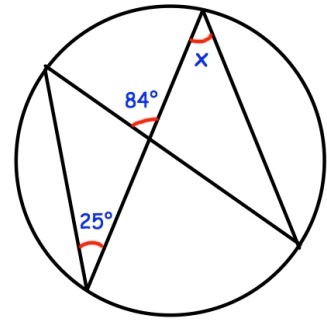
(m)



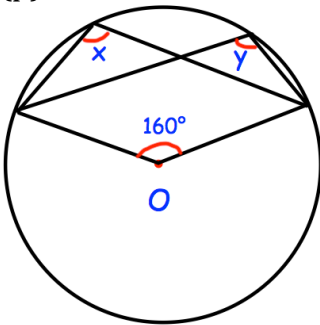
(n)



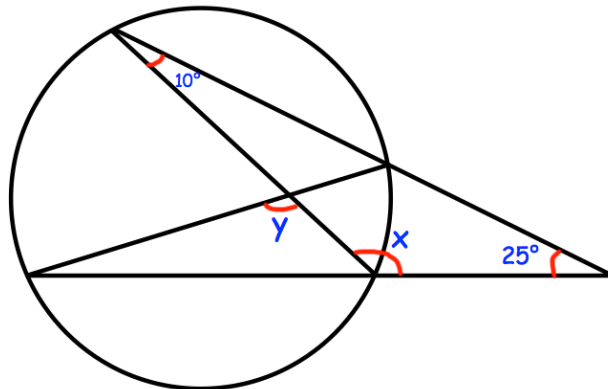
(o)



(p)

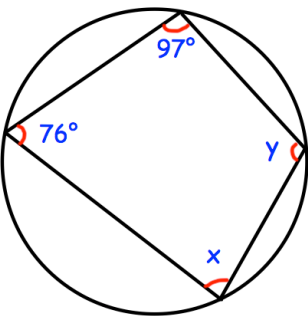


(q)

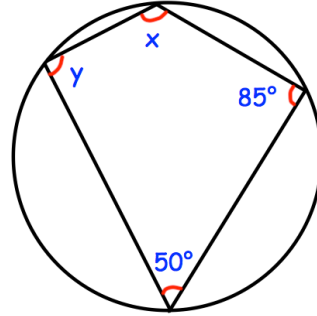


Question 8: Find the missing angles labelled in each of these circles

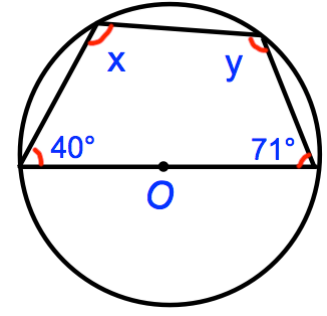
(a)



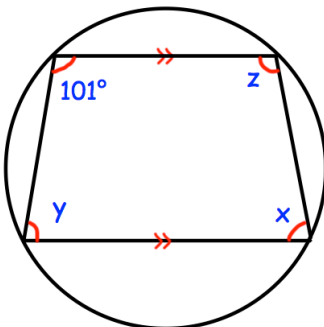
(b)



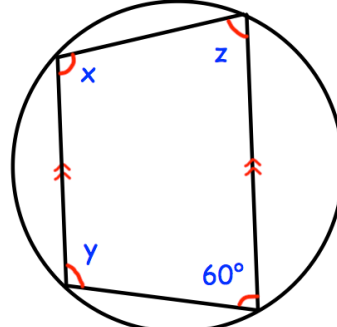
(c)



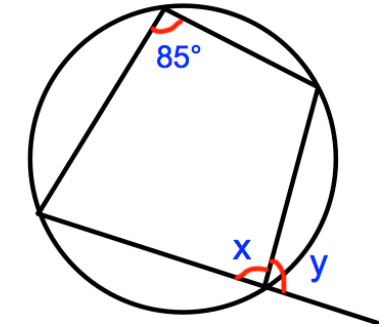
(d)



(e)



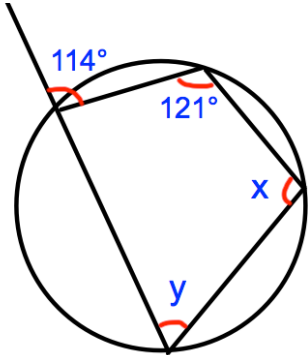
(f)



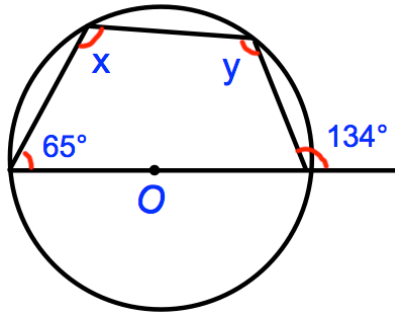
# Circle Theorems

Videos 64/65 on Corbettmaths

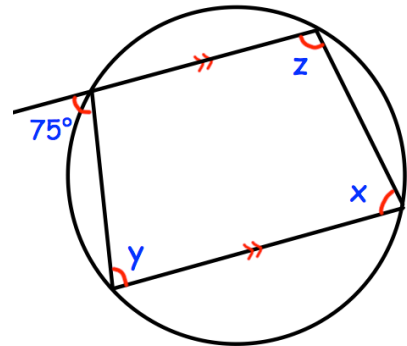
(g)



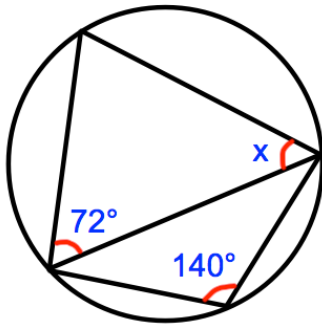
(h)



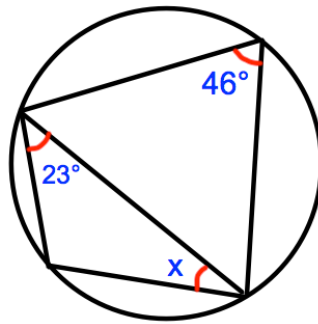
(i)



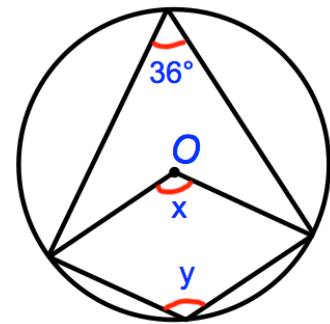
(j)



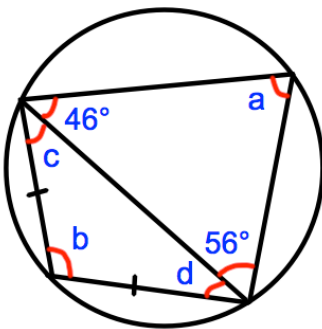
(k)



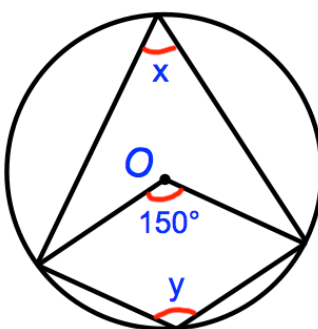
(l)



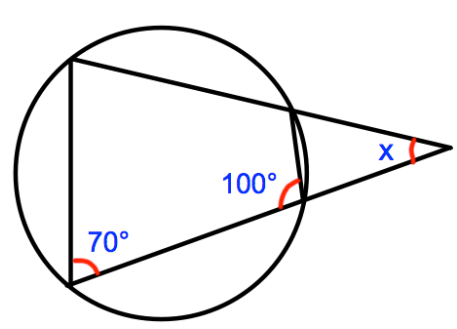
(m)



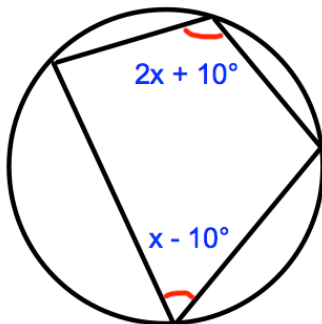
(n)



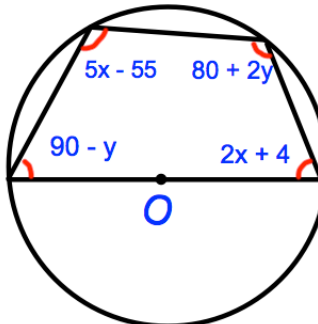
(o)



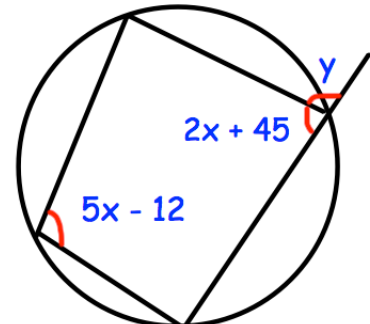
(p)



(q)



(r)



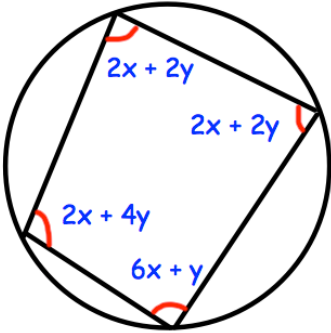


## Circle Theorems

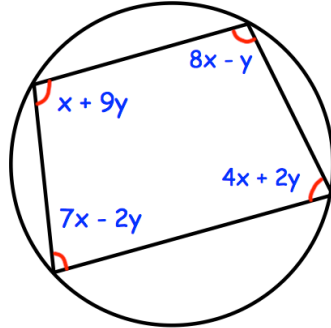
Videos 64/65 on Corbettmaths

Question 9: Find the values of  $x$  and  $y$

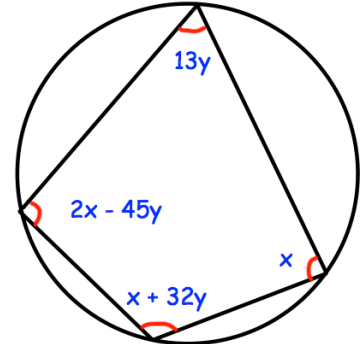
(a)



(b)

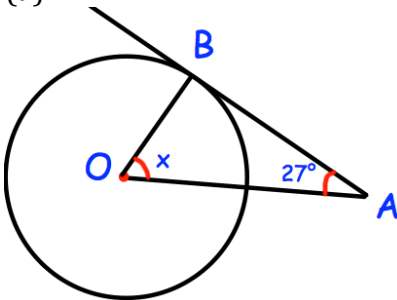


(c)

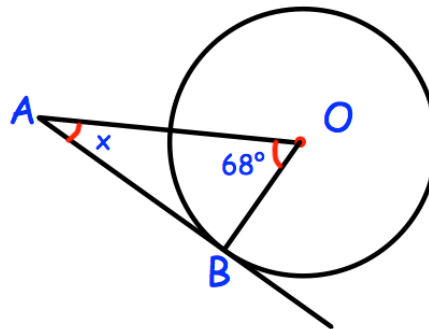


Question 10: Find the value of  $x$  in each diagram. The lines  $AB$  and  $AC$  are tangents.

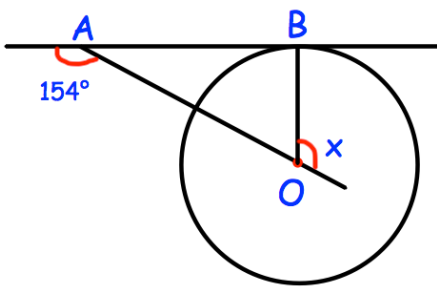
(a)



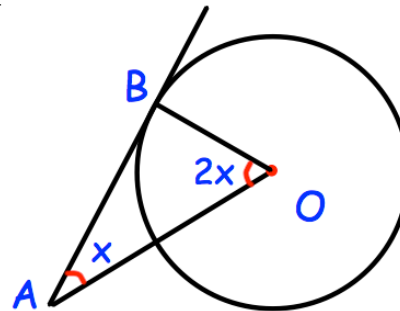
(b)



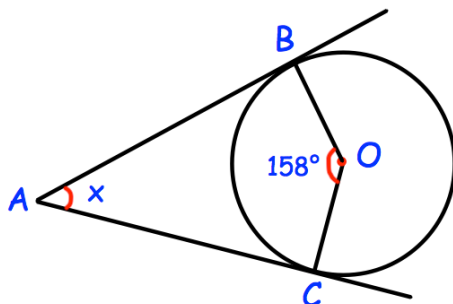
(c)



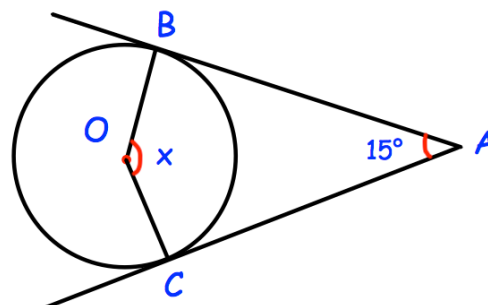
(d)



(e)



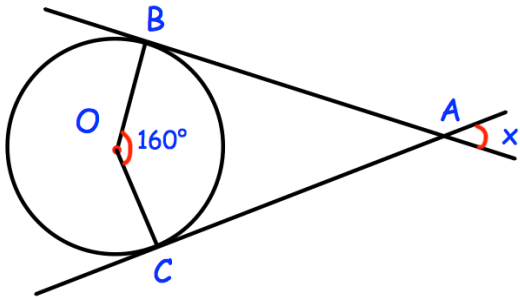
(f)



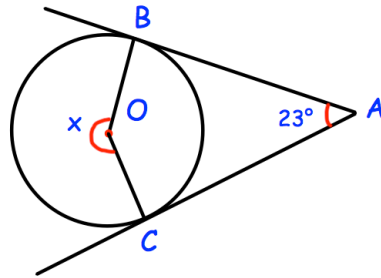
# Circle Theorems

Videos 64/65 on Corbettmaths

(g)

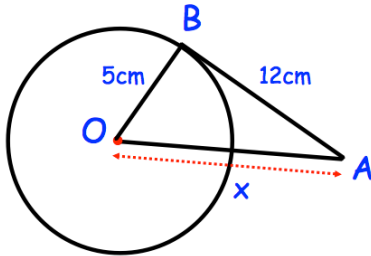


(h)

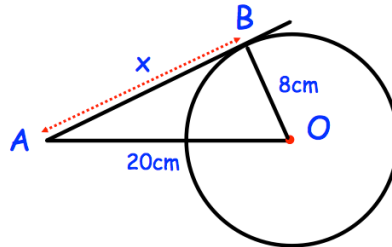


Question 11: Calculate the length of sides labelled in the circles below. The lines AB and AC are tangents.

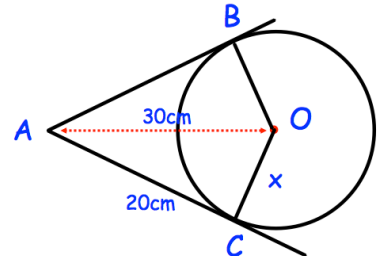
(a)



(b)

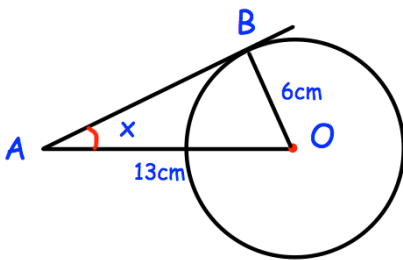


(c)

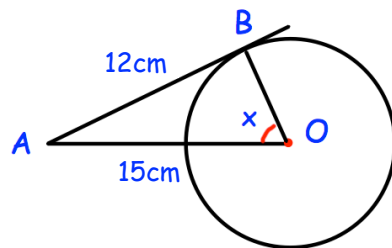


Question 12: Calculate the size of x in the circles below. The lines AB and AC are tangents.

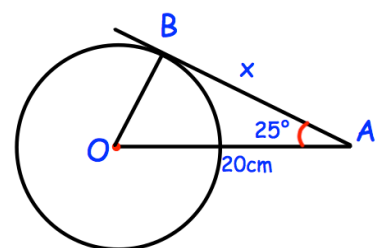
(a)



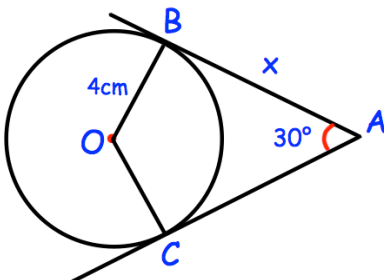
(b)



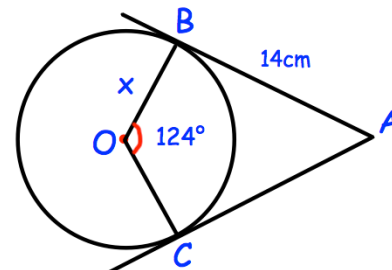
(c)



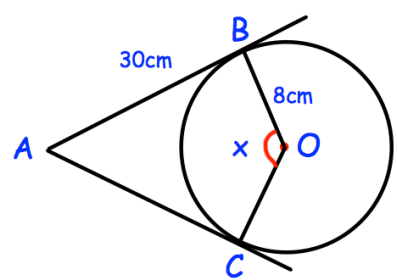
(d)



(e)



(f)

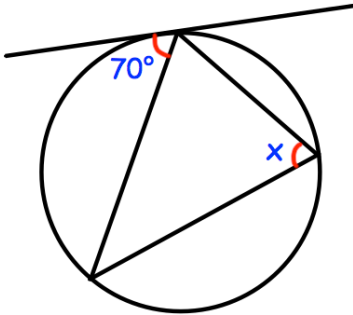


## Circle Theorems

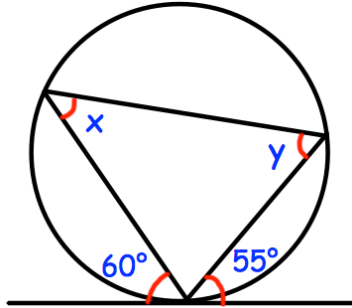
Videos 64/65 on Corbettmaths

Question 13: Find the missing angles labelled in each of these circles

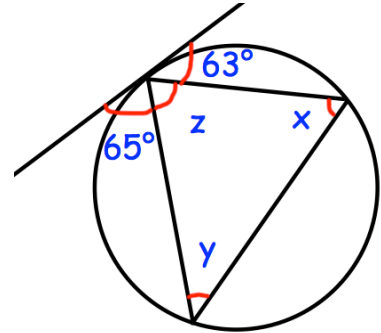
(a)



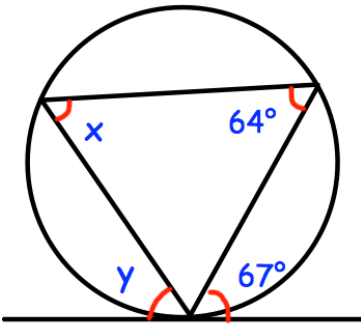
(b)



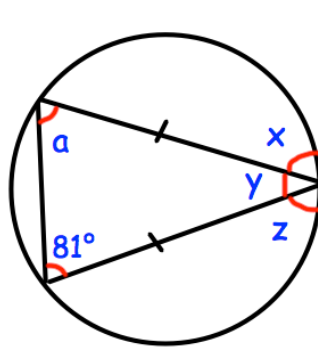
(c)



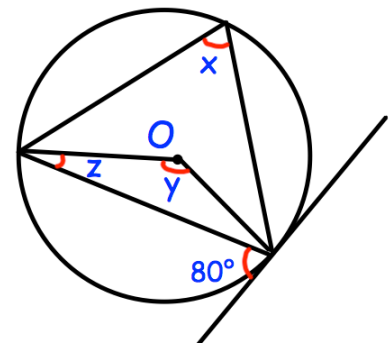
(d)



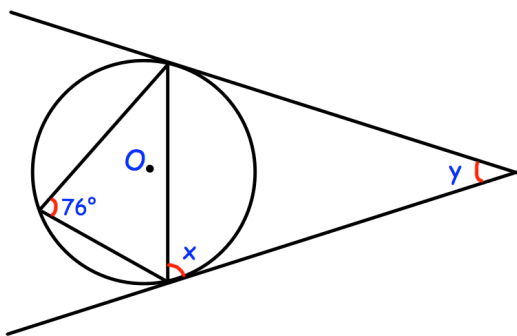
(e)



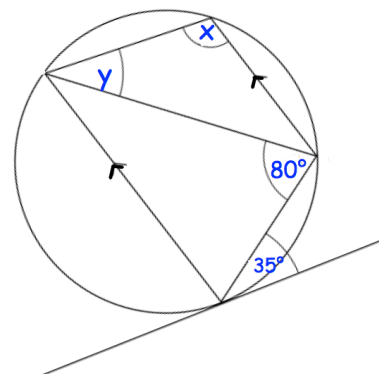
(f)



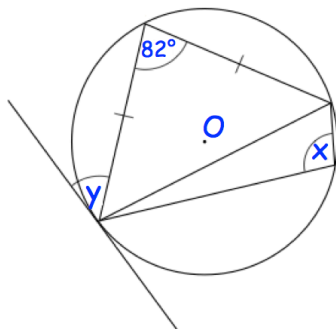
(g)



(h)



(i)



Answers



Click here



Scan here