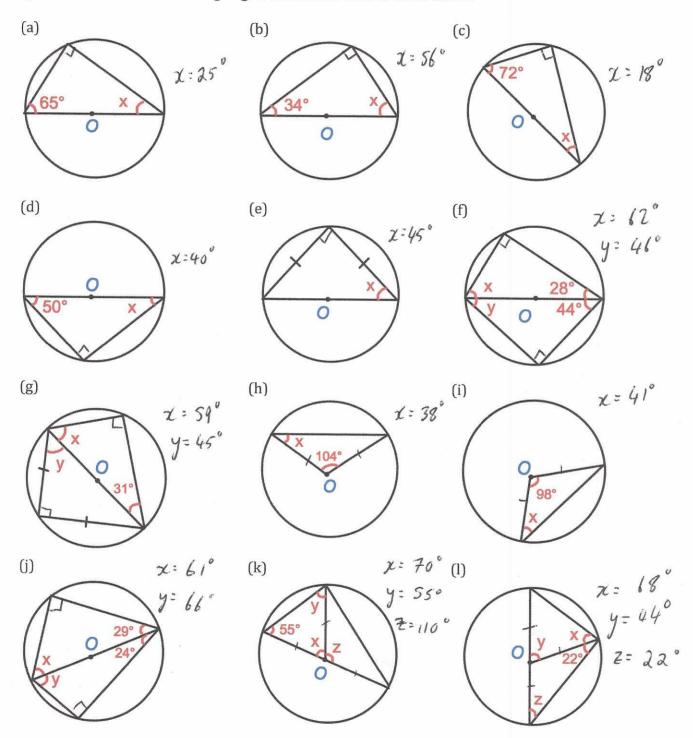
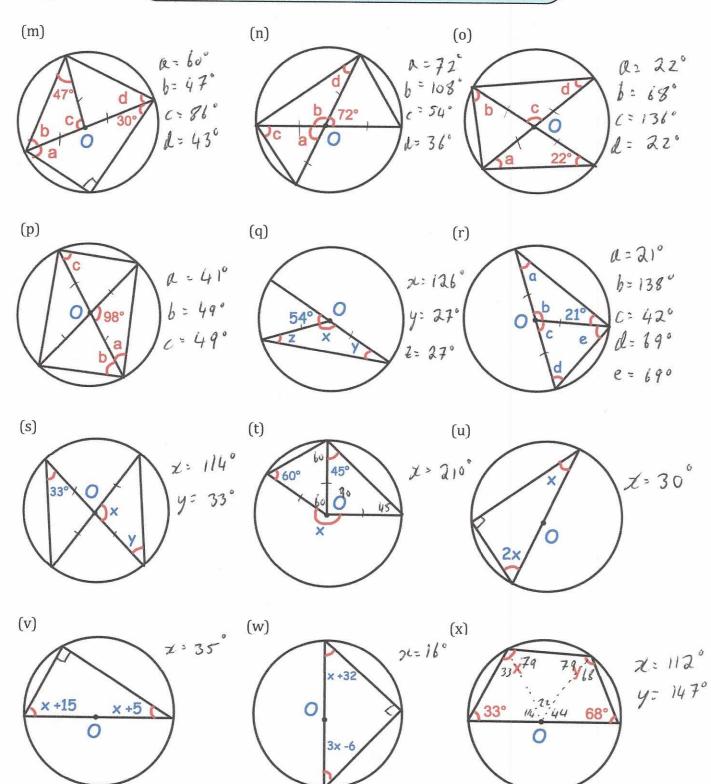


Workout

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





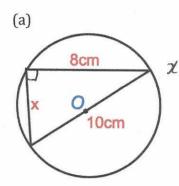


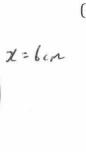


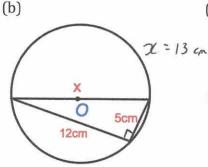
Circle Theorems

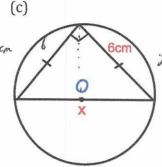
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Question 2: Calculate the length of sides labelled in the circles below



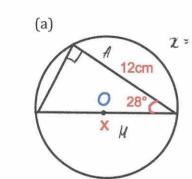




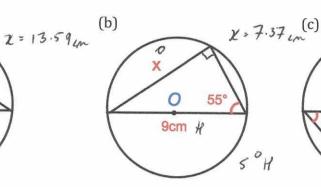


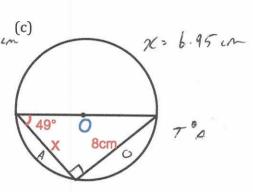
X = 8.485 cm

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

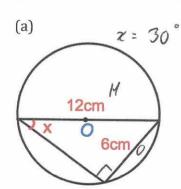


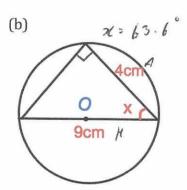
CAH

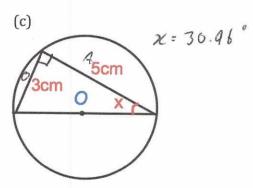




Question 4: Calculate the size of the missing angles



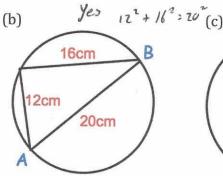


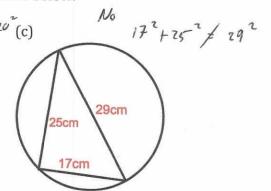


Question 5: State, with a reason, if AB is the diameter in each circle below.

(a) V_0 $V_1^2 + 5^2 \neq q^2$ (b)

9cm
5cm

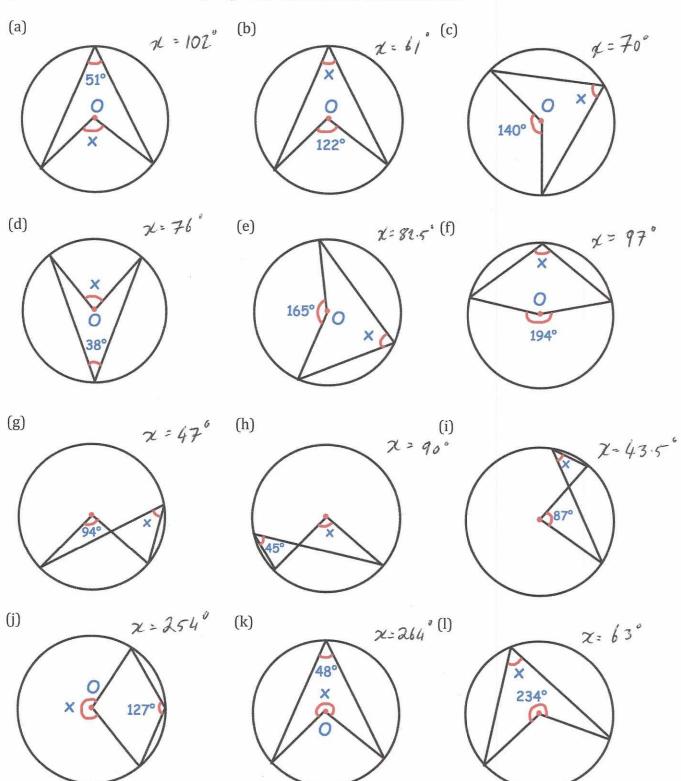




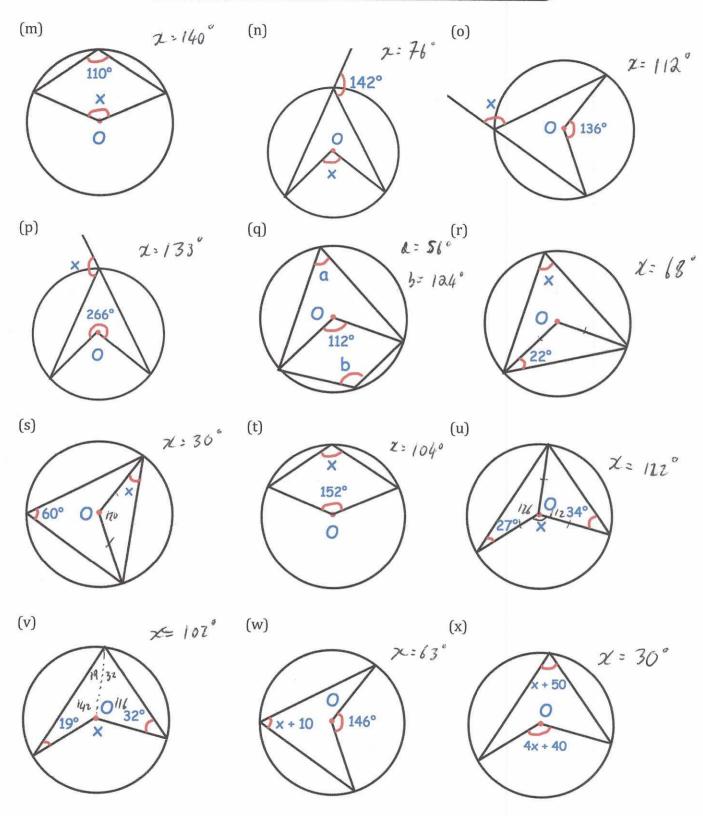
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Question 6: Find the missing angles labelled in each of these circles

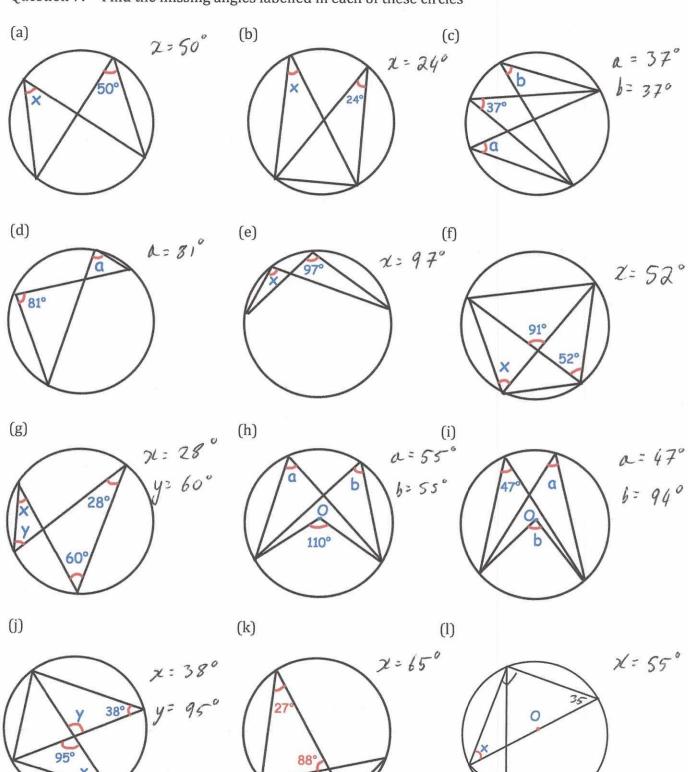




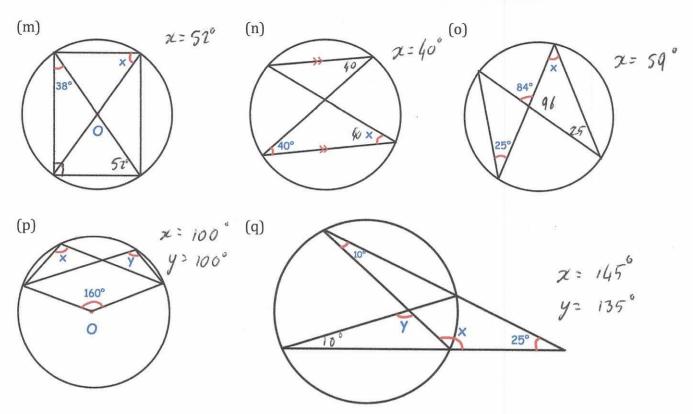




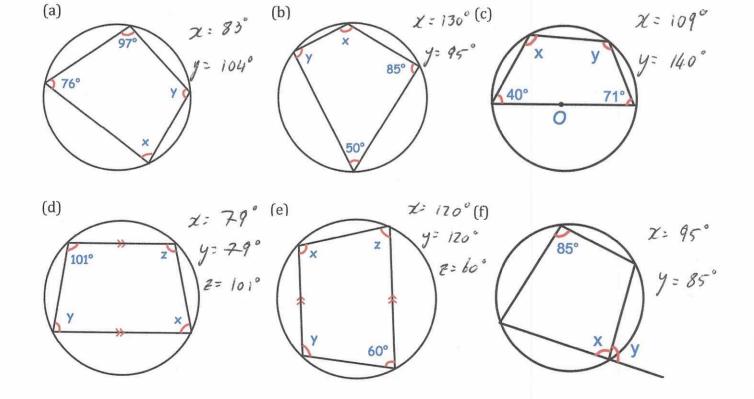
Question 7: Find the missing angles labelled in each of these circles







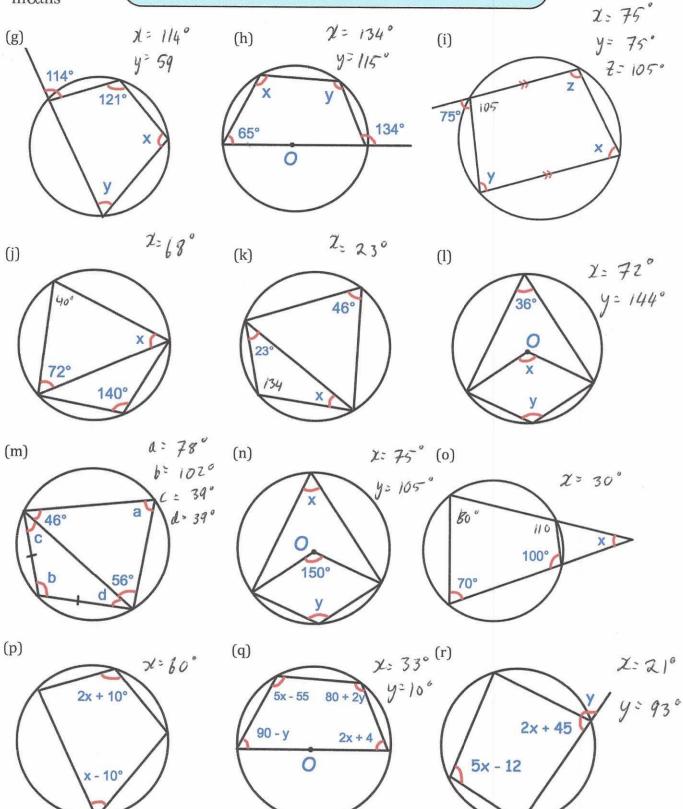
Question 8: Find the missing angles labelled in each of these circles





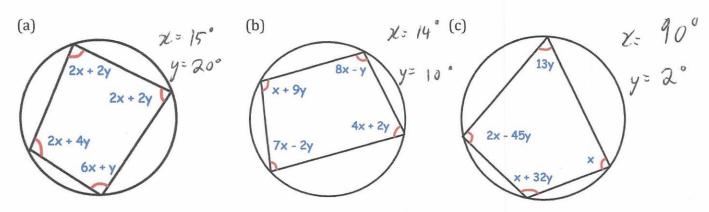
Circle Theorems

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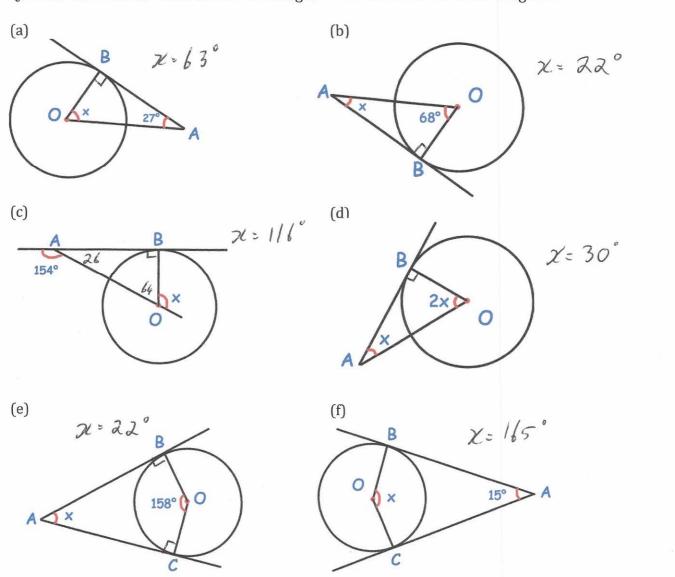




Question 9: Find the values of x and y

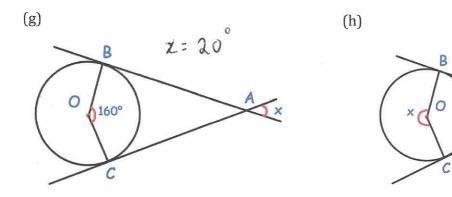


Question 10: Find the value of x in each diagram. The lines AB and AC are tangents.

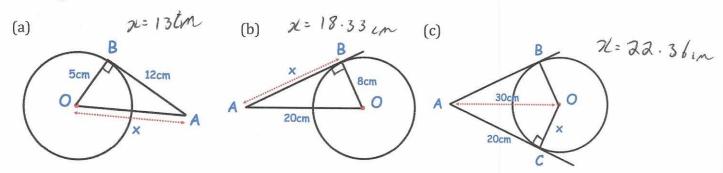




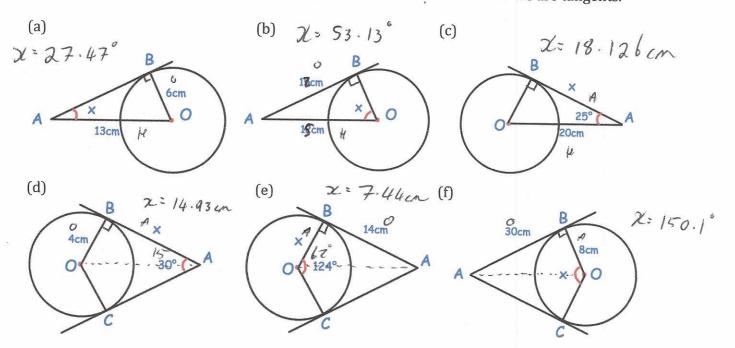
x=203°



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



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





Circle Theorems

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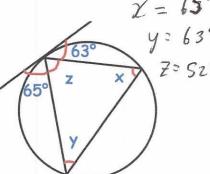
Question 13: Find the missing angles labelled in each of these circles

(a)



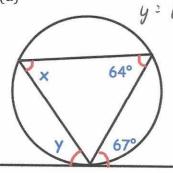
(b)

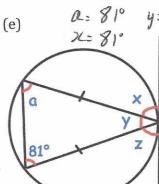
(c)



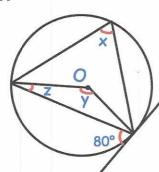
(d)



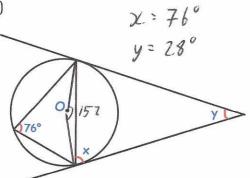




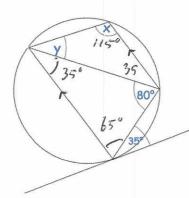
y= 180 (f) | = 81°



(g)



(h)



(i)

