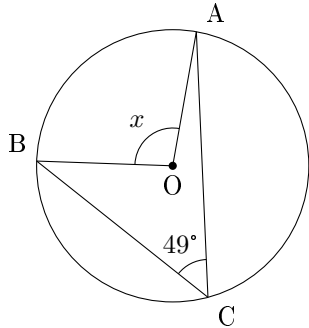


# 円 [円周角の定理(2)]

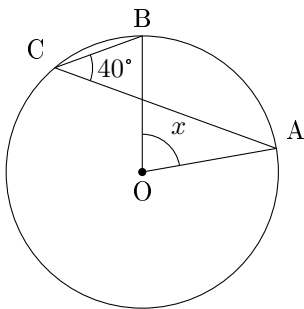
## <演習問題>

次の図について、 $\angle x$ の大きさを求めよ。

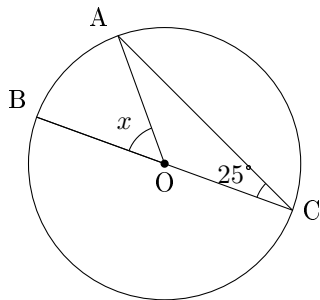
(1)



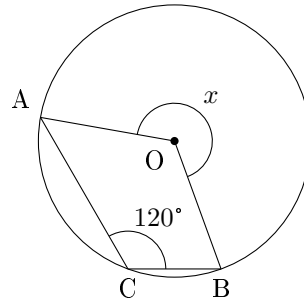
(2)



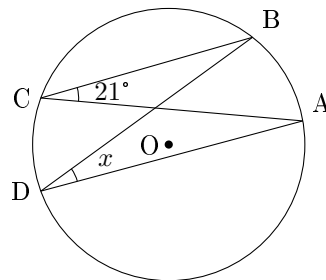
(3)



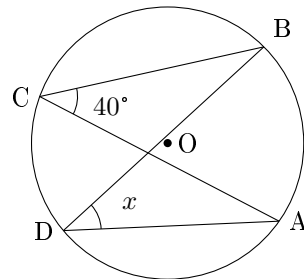
(4)



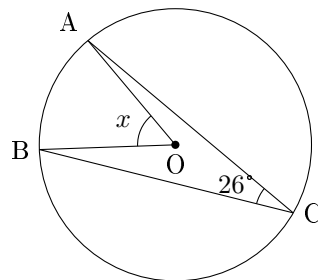
(5)



(6)



(7)

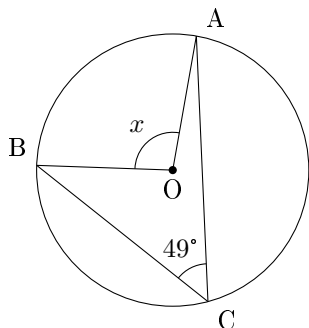


# 円 [円周角の定理(2)]

## <演習問題>

次の図について、 $\angle x$ の大きさを求めよ。

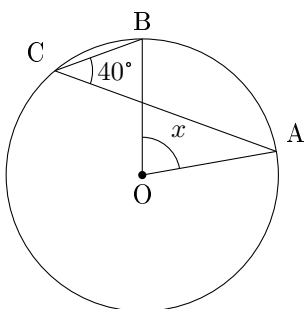
(1)



円周角の定理より、  
 $\angle AOB = 2\angle ACB = 98^\circ$

$$\angle x = 98^\circ$$

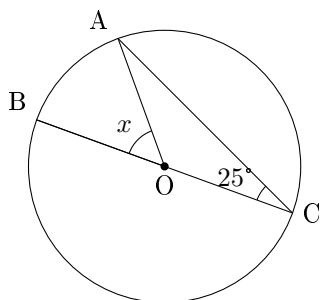
(2)



円周角の定理より、  
 $\angle AOB = 2\angle ACB = 80^\circ$

$$\angle x = 80^\circ$$

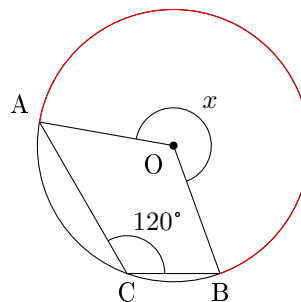
(3)



円周角の定理より、  
 $\angle AOB = 2\angle ACB = 50^\circ$

$$\angle x = 50^\circ$$

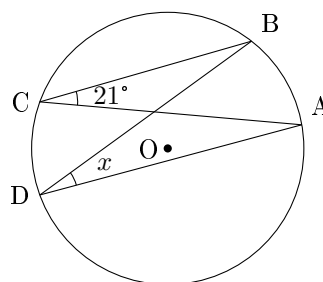
(4)



赤の弧について、円周角の定理より、  
 $\angle AOB = 2\angle ACB = 240^\circ$

$$\angle x = 240^\circ$$

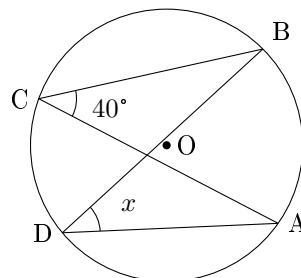
(5)



円周角の定理より、  
 $\angle ADB = \angle ACB = 21^\circ$

$$\angle x = 21^\circ$$

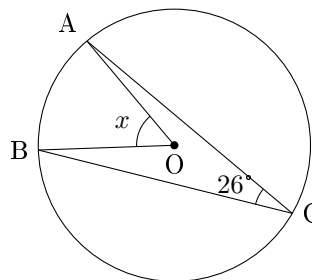
(6)



円周角の定理より、  
 $\angle ADB = \angle ACB = 40^\circ$

$$\angle x = 40^\circ$$

(7)



円周角の定理より、  
 $\angle AOB = 2\angle ACB = 52^\circ$

$$\angle x = 52^\circ$$