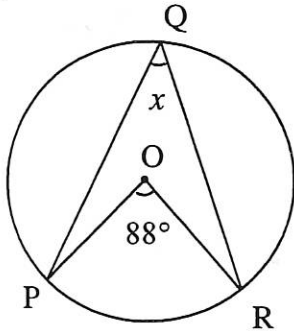


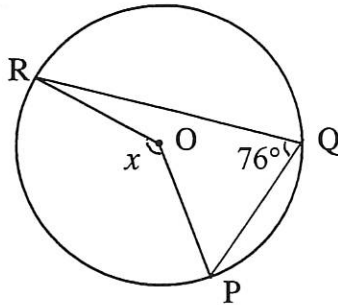
# Sheet 54H Circle theorems 1

Find, with clear reasons, the angles marked with letters in the following. (In each circle, O is the centre).

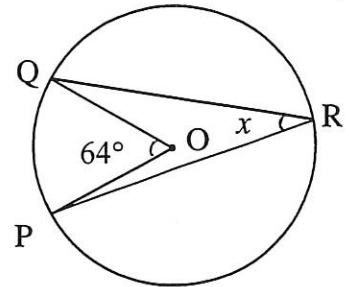
1.



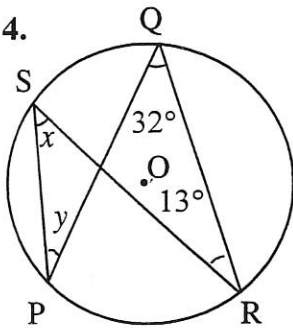
2.



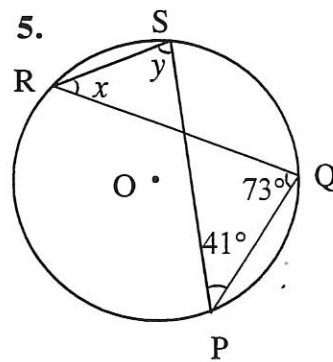
3.



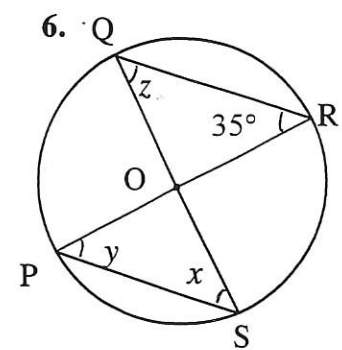
4.



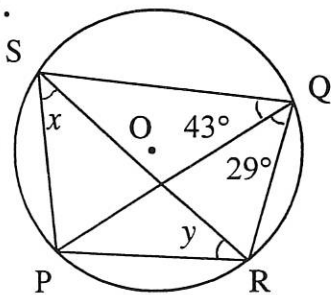
5.



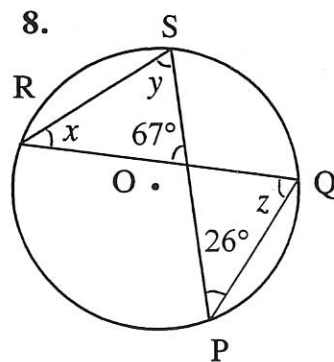
6.



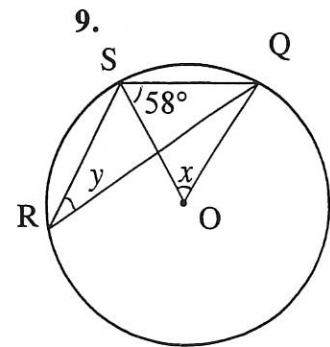
7.



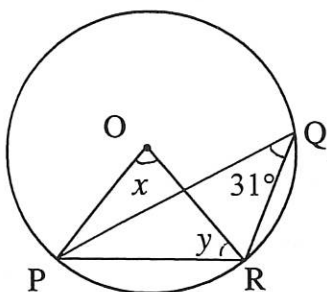
8.



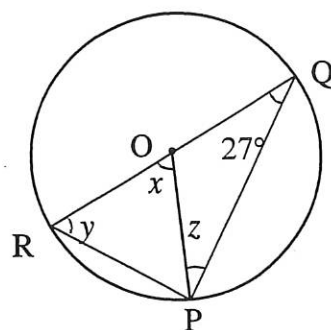
9.



10.



11.



12.

