

From (1) \& (2) CQ = CP

Now consider $\triangle C O Q \& \triangle C O P$

$$
\begin{aligned}
& \angle Q=\angle P=90^{\circ} \\
& C Q=C P \text { (Proved) } \\
& C Q=C O \text { (common side) } \\
& \therefore \triangle C O Q \cong \triangle C O P \text { [ RHS Congruency] } \\
& \therefore C Q=O P \text { [CPCT] }
\end{aligned}
$$

Hence Proved .

