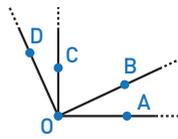


YOU & MATHS **Deducing angle measures** Knowing that \widehat{AOC} and \widehat{BOD} are right angles, as shown in the figure below, fill in the table and provide the missing reasons in order to prove that $\widehat{AOB} \cong \widehat{COD}$.

Statement	Reasons
<input type="text"/> = $\widehat{AOC} - \widehat{BOC}$	given
$\widehat{AOB} =$ <input type="text"/> - <input type="text"/>	
$\widehat{COD} =$ <input type="text"/> - <input type="text"/>	



Statements	Reasons
$\widehat{AOB} = \widehat{AOC} - \widehat{BOC}$	given
$\widehat{AOB} \cong \widehat{BOD} - \widehat{BOC}$	because \widehat{AOC} and \widehat{BOD} have the same measure
$\widehat{COD} = \widehat{BOD} - \widehat{BOC}$	given