

**Worked Example 1**



**Solution:** We are given that  $\theta = 30^\circ$ .  
 The angle between the horizontal diameter and the vertical radius is  $90^\circ - \theta = 90^\circ - 30^\circ = 60^\circ$ .  
 The angle between the horizontal diameter and the vertical radius is  $90^\circ - \theta = 90^\circ - 30^\circ = 60^\circ$ .

**Worked Example 2**

**Solution:** We are given that  $\theta = 30^\circ$ .  
 The angle between the horizontal diameter and the vertical radius is  $90^\circ - \theta = 90^\circ - 30^\circ = 60^\circ$ .  
 The angle between the horizontal diameter and the vertical radius is  $90^\circ - \theta = 90^\circ - 30^\circ = 60^\circ$ .

Angle	Value	Value
$\theta$	$30^\circ$	$30^\circ$
$90^\circ - \theta$	$60^\circ$	$60^\circ$
$\theta$	$30^\circ$	$30^\circ$
$90^\circ - \theta$	$60^\circ$	$60^\circ$
$\theta$	$30^\circ$	$30^\circ$
$90^\circ - \theta$	$60^\circ$	$60^\circ$
$\theta$	$30^\circ$	$30^\circ$
$90^\circ - \theta$	$60^\circ$	$60^\circ$

**Exercise 1**

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$\theta$	$30^\circ$	$30^\circ$
$90^\circ - \theta$	$60^\circ$	$60^\circ$
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