

U5L5 Circle Properties

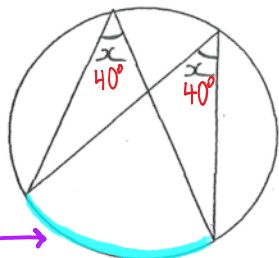
April-15-15 8:34 AM

Notes: U5
L5

April 15, 2015

Circle Properties - Angles in a Circle

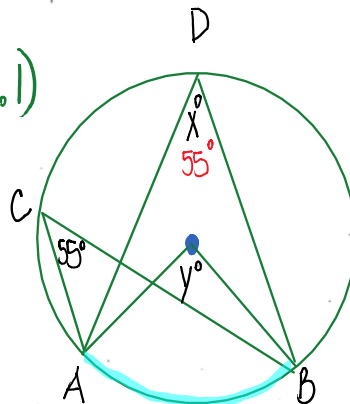
①



same arc →

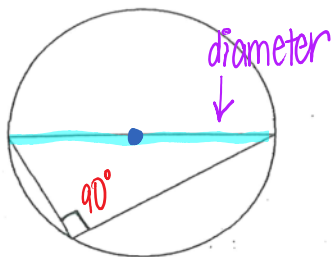
The two **inscribed angles** are the same size as each other provided they are **enclosed by the same arc.**

eg. 1)



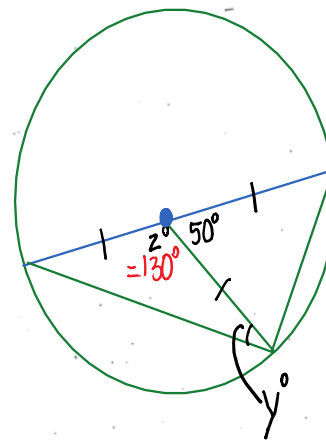
$X^\circ = 55^\circ$
 $y = 110^\circ$

②



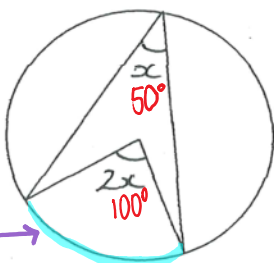
The **inscribed angle** from the **diameter** is always 90°

eg. 2)



$z^\circ = 130^\circ$
 $y^\circ = 50 \div 2$
 $= 25^\circ$

③



same arc →

The **angle at the centre of the circle** is **twice the size of the angle at the edge** of the circle. Provided they are enclosed by the **same arc.**

Assignment:
U5L5 wkst # 4-6, 11