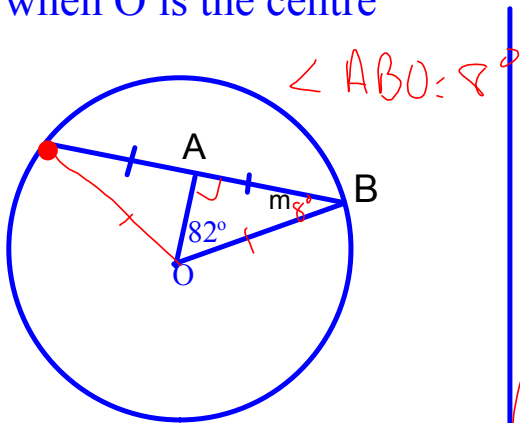


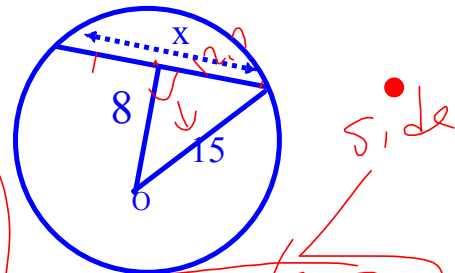
# Warm-up

Determine the value of  $m$ ,  
when  $O$  is the centre



$$82 + 90 + \_ = 180^\circ$$

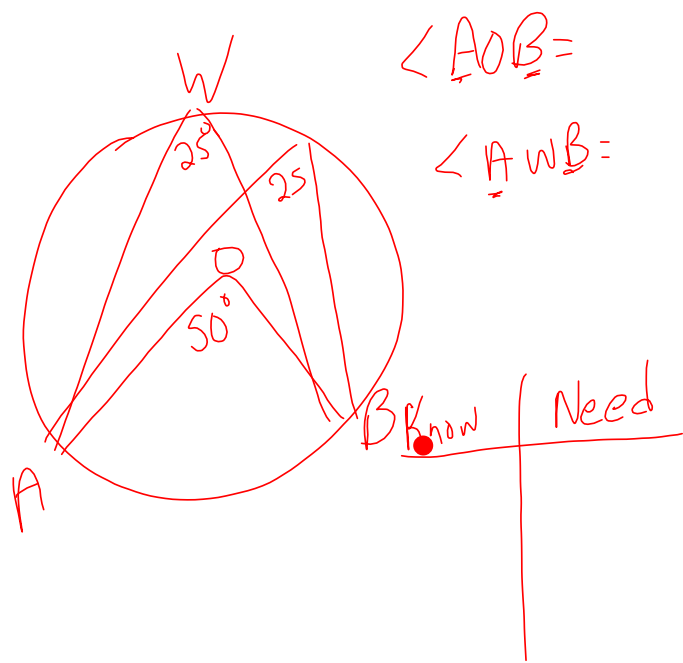
Determine the value of  $x$ ,  
when  $O$  is the centre

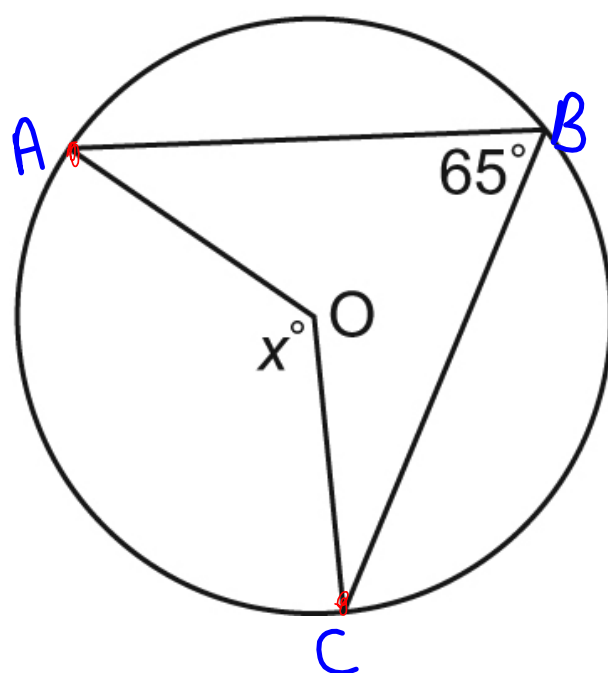


25.4  
is  
the  
chord

$$c^2 = a^2 + b^2$$

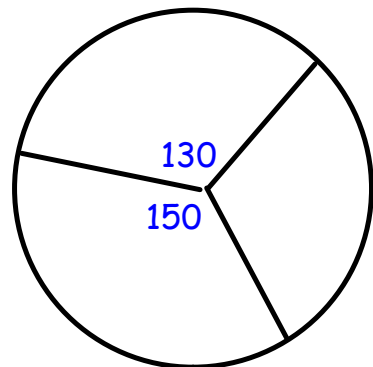
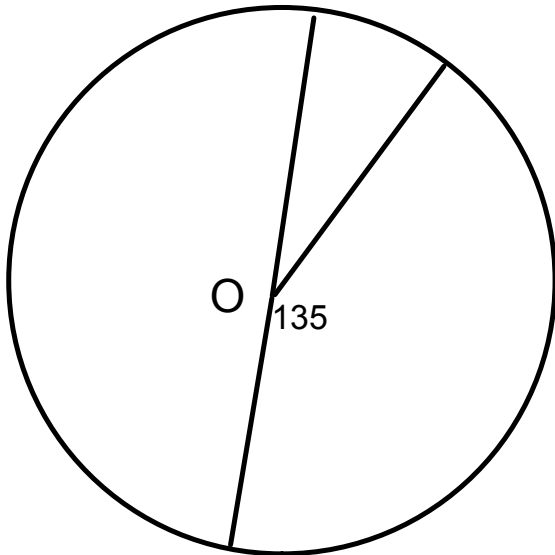
$$\begin{aligned} a^2 &= c^2 - b^2 \\ a^2 &= 15^2 - 8^2 \\ a^2 &= 225 - 64 \\ a^2 &= 161 \\ a &= 12.7 \end{aligned}$$

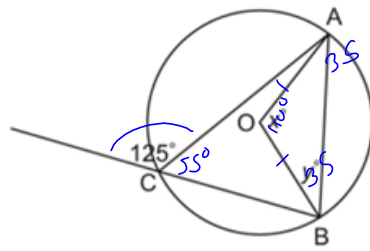
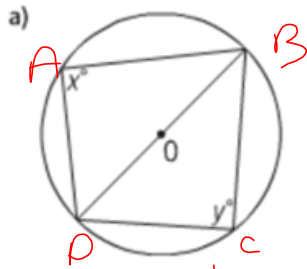




| Know                                 | Need                                |
|--------------------------------------|-------------------------------------|
| $\angle ABC = 65^\circ$<br>Inscribed | $\angle AOC = 130^\circ$<br>Central |

The sum of central angles in a circle is  $360^\circ$

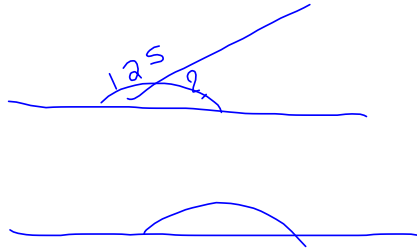


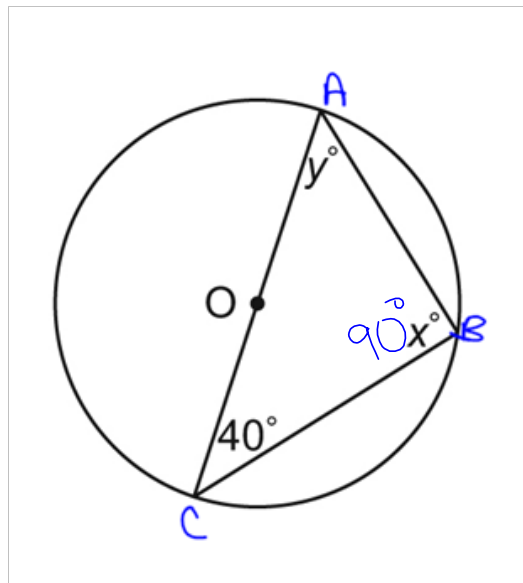


| Know                                   | Need                                   |
|--|--|
| ?                                      | $\angle BAD = 90^\circ$                |
| $\angle DOB = 180^\circ$<br>→ diameter | $\angle BCD = 90^\circ$<br>● Inscribed |

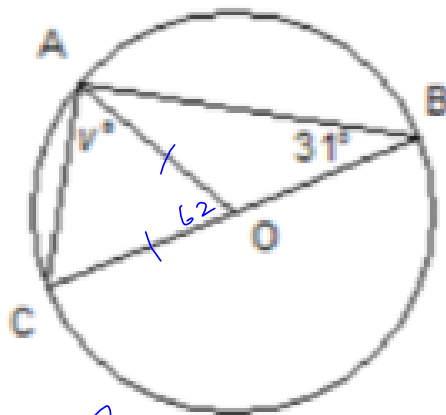
| Know                                 | Need  |
|--------------------------------------|---|
| $\angle ACB = 55^\circ$<br>Inscribed | $\angle AOB = 110^\circ$<br>$\angle OBA = 35^\circ$ |

Central

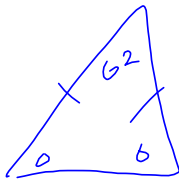




| Know                     | Need                    |
|--------------------------|-------------------------|
| $\angle ACB = 40^\circ$  | $\angle BAC = 50^\circ$ |
| Inscribed                | $\angle ABC = 90^\circ$ |
| $\angle AOC = 180^\circ$ |                         |
| → Central.               |                         |



| Know                                 | Need                    |
|--------------------------------------|-------------------------|
| $\angle ABC = 31^\circ$<br>Inscribed | $\angle OAC = 59^\circ$ |



$62 + \_ + \_ = 180$

1. Page 410-411 3,4, 5,6, 8,11

2. Test Review Booklet!

3. Test Friday



