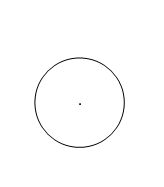
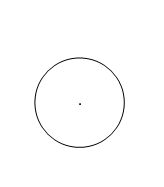
Lesson 1-9: Properties of Cords

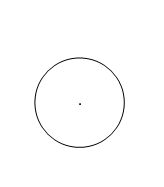
Definitions



Radius:



Diameter:



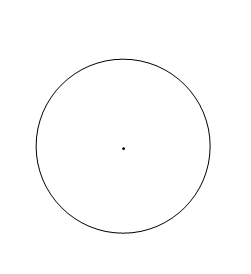
Cord:

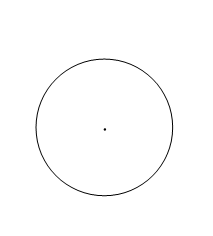
Perpendicular lines

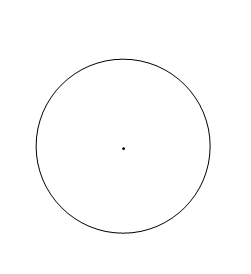
Bisect

**Paper Circle activity**

Properties of Cords



Property 1: The perpendicular from the centre of the circle to a chord bisects the cord.



Property 2: The perpendicular bisector of any chord passes through the centre of the circle.

Eg Find the radius if AB=12cm

A

8cm

B

Find AB

10

6

A B

Find x

x

7

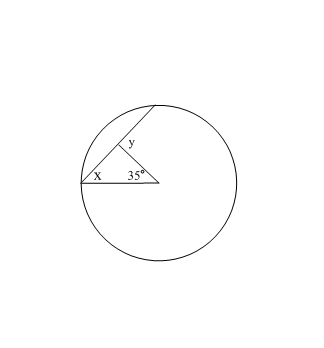
8

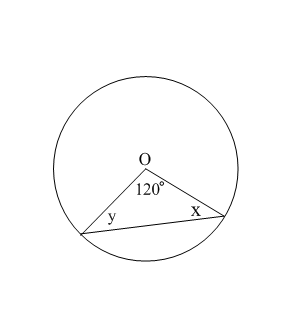
10

Find x

10

7 x

Find the missing angles

 O

Homework Pg 397 #3-7, 10, 14, 17