

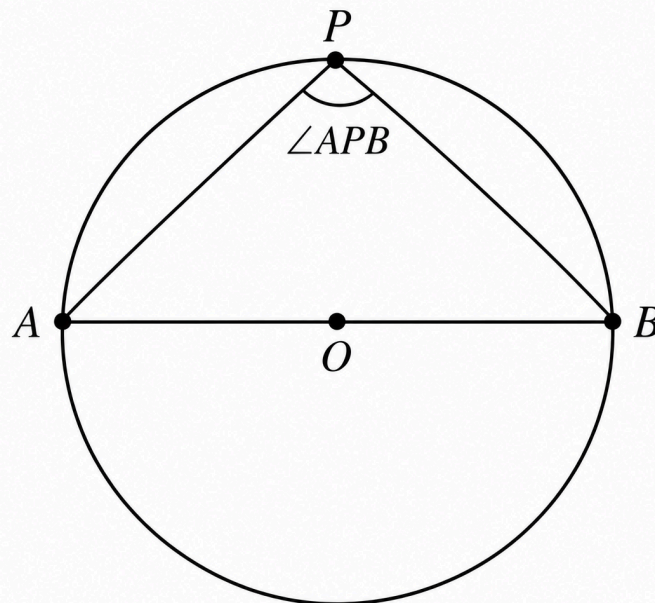
# Class 9 Mathematics - I'm Up and Down, and Round and Round

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Advanced Worksheet 3

### Questions



1. What is the angle subtended by the diameter at point  $P$ ?
2. Name the theorem illustrated.
3. If  $\angle APB = 90^\circ$ , what type of chord is  $AB$ ?

4. Can a diameter subtend an angle greater than  $90^\circ$  at the circumference?
5. If AB is a diameter, what is  $\angle APB$ ?
6. State the relationship between a diameter and the angle in a semicircle.

**Answer Key**

1.  $90^\circ$
2. Angle in a semicircle is a right angle.
3. Diameter
4. No
5.  $90^\circ$
6. A diameter subtends a right angle at the circumference.