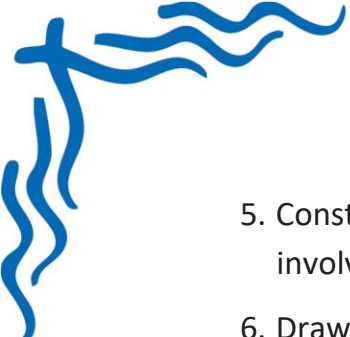




- 
5. Construct a perpendicular to a line from a point on the line. Write steps involved.
  6. Draw a circle of radius 3 cm. Mark a point on the circle and draw a tangent to it.

**D. Mark each sentence with a True (✓) or False (X):**

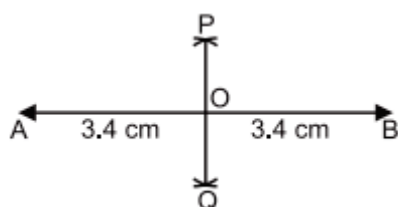
1. A compass is used to measure the size of an angle.
2. Two lines that meet at a right angle are called perpendicular lines.
3. It is not possible to construct a triangle if the sum of two sides is less than the third side.
4. You need a compass to construct a bisector of a line segment.
5. A line has two endpoints.

☐  
☐  
☐  
☐  
☐

**E. Challenge yourself with these questions:**

1. Draw a circle of radius 4.5 cm. Mark its center and draw a diameter.
2. Construct a triangle in which two sides are equal and the third side is 6 cm.
3. Draw two intersecting lines and show the angles formed. Name all angles.
4. Draw a line and mark a point above it. Construct a perpendicular to the line from the point.
5. Draw an angle of  $90^\circ$  and then bisect it. What angle is formed?
6. Measure and construct a  $30^\circ$  angle. Then draw its supplementary angle.

**F. Observe the given figure and write the steps of construction which have been followed to draw it.**



**G. Construct the following angles using compasses.**

- |               |               |                |
|---------------|---------------|----------------|
| 1. $60^\circ$ | 2. $30^\circ$ | 3. $120^\circ$ |
| 4. $90^\circ$ | 5. $45^\circ$ | 6. $15^\circ$  |