



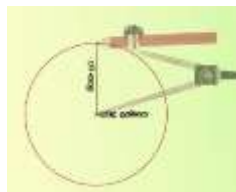
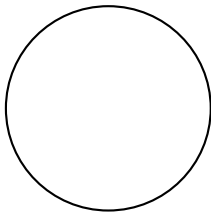
28. Constructions

Basic loci

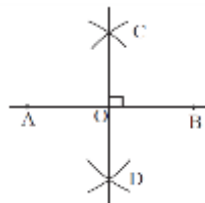
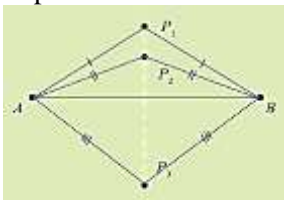
The path of a point in motion is defined as its locus.

Let us consider the 4 basic loci.

1. The locus of a point moving at a constant distance from a fixed point is a circle.



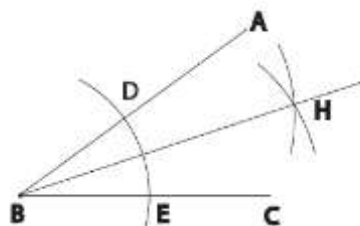
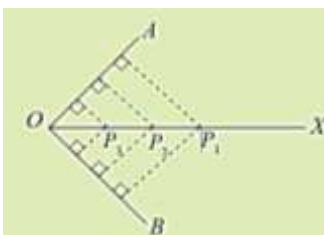
2. The locus of a point moving at an equal distance from two fixed points is the perpendicular bisector of the straight line joining the two points.



3. The locus of a point moving at a constant distance from a given straight line is a line parallel to the given straight line, at the given constant distance from the straight line, which may lie on either side of the straight line.



4. The locus of a point moving at an equal distance from two intersecting straight lines is a bisector of the angle formed at the intersection point of the lines.



- Answer all the questions in 28.1 exercise of 115,116 pages in your text book.