Name - _ _ _ _ _ _ _ _
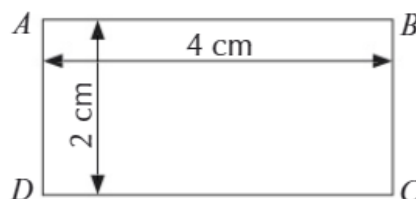
Start time - _ _ : _ _

End time - _ _ : _ _

Solve the following:

1. The line AB is 2.6 cm long. Construct the locus of points that are 5 mm from AB.

2. Draw a line, AB, that is 7 cm long. Construct the locus of all the points 2 cm from the line.

3. a) Mark a point X on your page. Draw the locus of all points which are 3 cm from X.
   b) Shade the locus of all points on the page which are less than 3 cm from X.

4. Mark two points A and B that are 6 cm apart. Construct the locus of all points which are equidistant from A and B.

5. Draw two lines that meet at an angle of 50°. Construct the locus of all points which are equidistant from the two lines.

6. Draw a line AB 6 cm long. Draw the locus of all points which are 3 cm from AB.
   a) Draw axes on squared paper with x- and y-values from 0 to 10. Plot the points P(2, 7) and Q(10, 3).
   b) Construct the locus of points which are equidistant from P and Q.

7. Shade the locus of points inside rectangle ABCD that are:
   more than 2 cm from point A,
   less than 1 cm from side CD.

1   2   3   4   5   6   7   8   9