Board- CBSE	Std- 6	Topic- Practical Geometry	Worksheet

1. Construct line segments whose lengths are:

(i) 4.8 cm

(ii) 12 cm 5 mm

(iii) 7.6 cm

2. Draw any circle and mark points A, B, and C such that

(a) A is on the circle.

(b) B is in the interior of the circle.

(c) C is on the exterior of the circle.

3. Draw a line l and a point X on it. Through X, draw a line segment XY perpendicular to l. Now draw a perpendicular to XY at Y. (use ruler and compasses)

4. Using a protractor, draw ∠BAC that measures 70°. On side AC, take a point P such that AP = 2 cm. From P draw a line perpendicular to AB.

5. Draw a circle with center at point O. Draw its two chords AB and CD such that AB is not parallel to CD. Draw the perpendicular bisectors of AB and CD. At what point do they intersect?

6. Draw a pair of vertically opposite angles. Bisect each of the two angles. Verify that the bisecting rays are on the same line.

7. Using ruler and compasses only, draw a right angle.

8. Construct the following angles with the help of a ruler and compass only:

(i) 30°

(ii) 90°

(iii) 45°

(iv) 135°

(v) 150°

(vi) 105°