For HEPTAGON

1. Draw Line AB which is 50mm in length. Point A should be 50 to 70mm from your left border line.

2. Draw a straight line AM perpendicular and equal to line AB.

3. Join point B and point M to create line BM.

4. With A as center and with radius equal to AB, draw circle A.

5. Draw the perpendicular bisector of AB to intersect line BM at 4 and arc BM at 6.

6. Find the mid point of line 4-6 and label it as 5.

7. From point 6, extend the straight line 4 - 6.

8. Using the same distance as line 4 - 6, project the line starting from 6 to find point 8.

9. The midpoint of line 6 - 8 will be labeled as point 7.

10. With 7 as the center and radius equal to 7 - A, Draw the circle.

11. Find the intersection of circle 7 and circle A and label it as C.

12. With B as center and AB as radius, draw circle B.

13. Find the intersection of circle 7 and circle B and label it as D.

14. With C as center and CA as radius. draw circle C.

15. With D as center and DB as radius. Draw circle D.

16. You can now draw the Heptagon by connecting the intersection of circles.

For HEXAGON

1. Draw line AB 50mm in length. Point B should be 50 to 70 mm from your right border line
2. Follow steps 2 through 9 from making a heptagon.
3. With 6 as the center and radius equal to 6 – A. Draw circle 6.
4. Find the intersection of circle 6 and circle A and label it C.
5. With B as center and AB as radius, draw circle B.
6. Find the intersection of circle 6 and circle B and label it D.
7. With C as center and CA as radius. draw circle C.
8. With D as center and DB as radius. Draw circle D.
9. You can now draw the Hexagon by connecting the intersection of circles.

For PENTAGON

1. Draw line AB that sould be 100 to 120 mm away from the top border line.
2. Follow steps 2 through 9 from making a heptagon.
3. With 5 as the center and radius equal to 6 – A. Draw circle 6.
4. Find the intersection of circle 5 and circle A and label it C.
5. With B as center and AB as radius, draw circle B.
6. Find the intersection of circle 6 and circle B and label it D.
7. You can now draw the PENTAGON by connecting the intersection of circles.