

Name _____

Date _____

West Islip Technology Department

Period _____

Drawing Tools

Activity # 2

Read the directions below carefully and then draw the triangles, lines, ellipses, and circles required for each exercise. These exercises will be completed on a piece of 12 x 12 drawing paper, which will be divided into FOUR squares in the following manner:

- 1 vertical lines will be drawn 6" inches away from the end of the paper
- 1 horizontal line will be drawn 6" inches from the bottom/top of the paper

Your drawing layout should resemble the following:

1	2
3	4

Exercise 1: Draw each of the following ellipses using the ellipse template. (1 9/16", 1 3/16", 13/16", 5/8") Place each ellipse in size order from largest to smallest, centered on a 5" straight line. Note: the ellipses should be evenly spaced from one another. The starting point should be 3" up and 1/2" over from the bottom left hand corner of box 1.

The ellipse template should be held on an angle to complete this activity.

Exercise 2: Draw each of the following circles using the compass. Use the same center point for all circles. (4", 3 5/8", 2 1/4", 1 5/16") The center point should be in the center of box 2.

Exercise 3: Draw 2 equilateral triangles. Equilateral triangle 1 should have a base of 4". Your starting point should be 1" up and 1" over. Equilateral triangle 2 should have a base of 2". Your starting point should be 2" up and 2" over. Lastly, draw a circle tangent to all three sides of triangle 2. You may use your circle template to draw the circle.

Exercise 4: Draw 5 lines parallel to each other, with a 3/4" space between each line. The line sizes will be (4", 3", 2", 1", 1/4"). All lines must be centered left-to-right in box 4 using the same center line. Lastly, the first line should be 1 1/2" up on the center line.