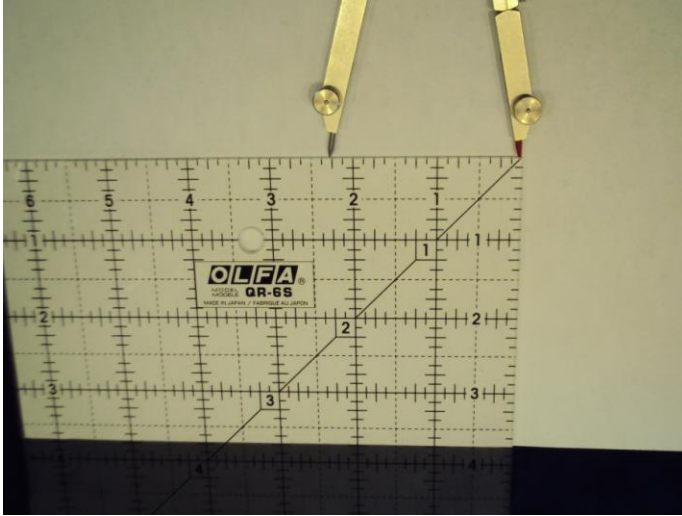# Drafting a Hexagon template
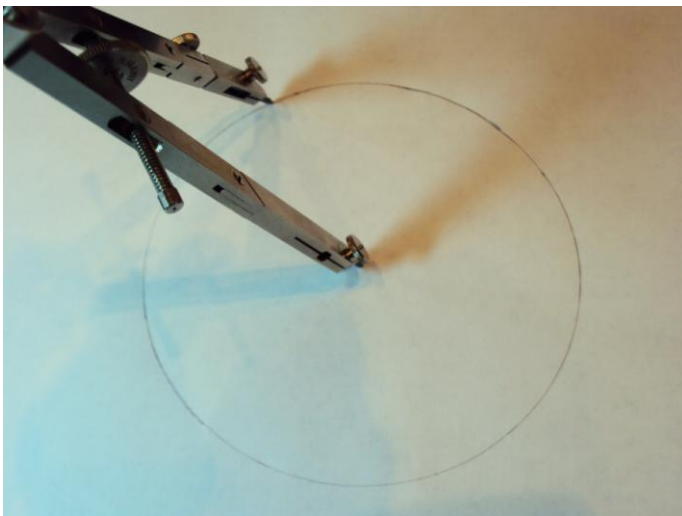
Materials:

      Paper or template plastic
      Small ruler
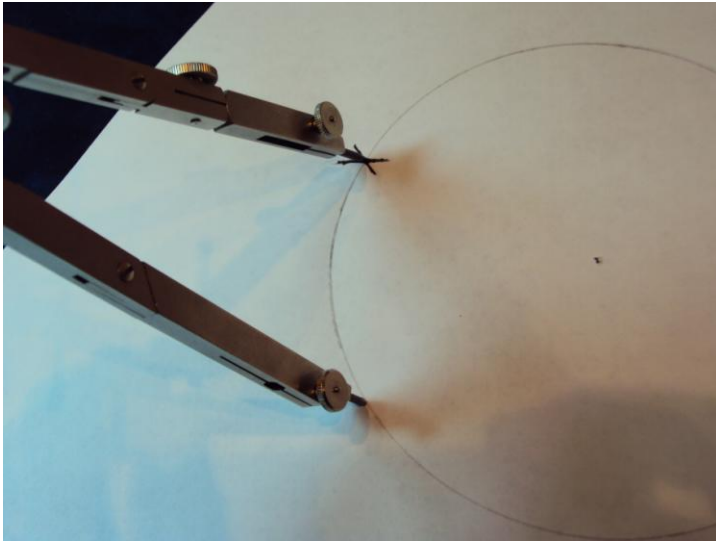   mechanical compass

1. Determine the size hexagon you would like. This will also be the same size circle you will initially make. In this demonstration you will make a 4 ½ inch circle. Divide your circle size in half, which in this case is 2 ¼ inches.
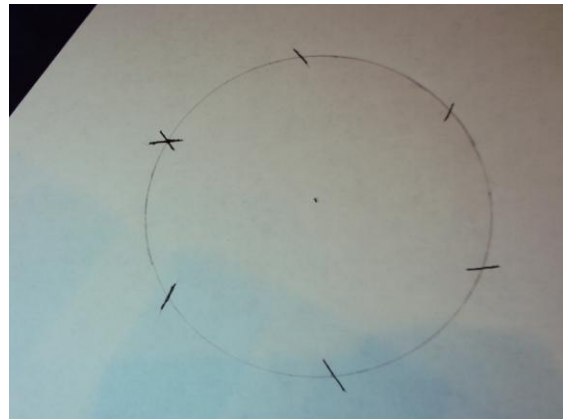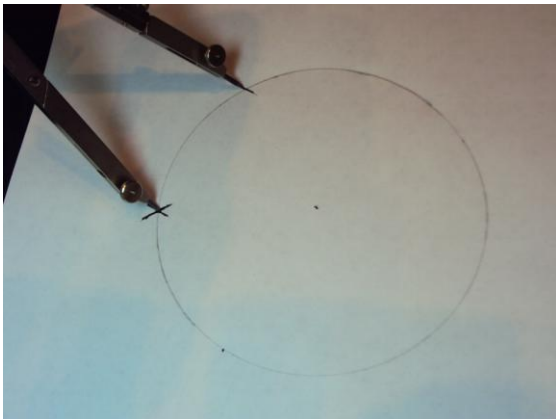

2. Set the compass so that from pencil to needle is 2 ¼ inches.
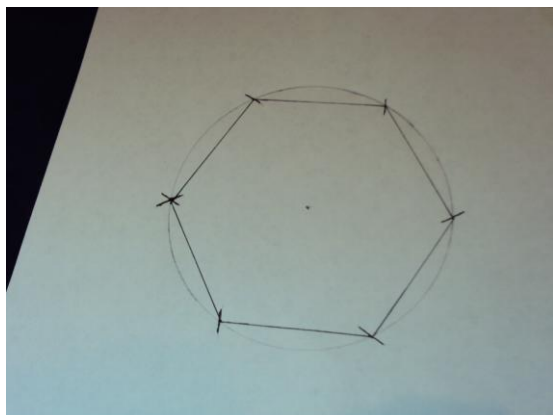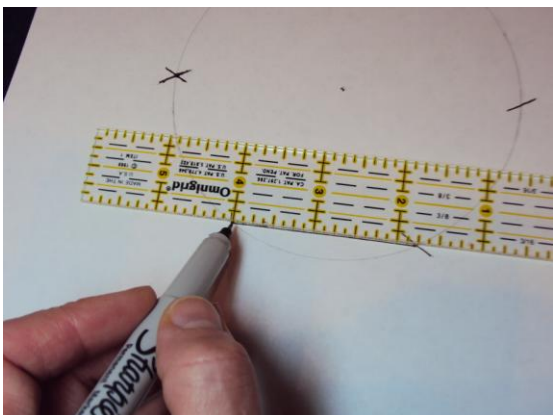
3. Draw the circle.

4. Move the needle of the compass to any position on the drawn circle. Swing the pencil until it crosses the circle. Make a mark at this location.

5. Move the needle to the mark you just made on the circle. Again, swing the pencil and make a mark. Continue in this manner until you have made 6 marks on the circle.

6. With your ruler, line up two adjoining marks and draw a line connecting the two. Repeat all the way around the circle.

You now have a completed hexagon.