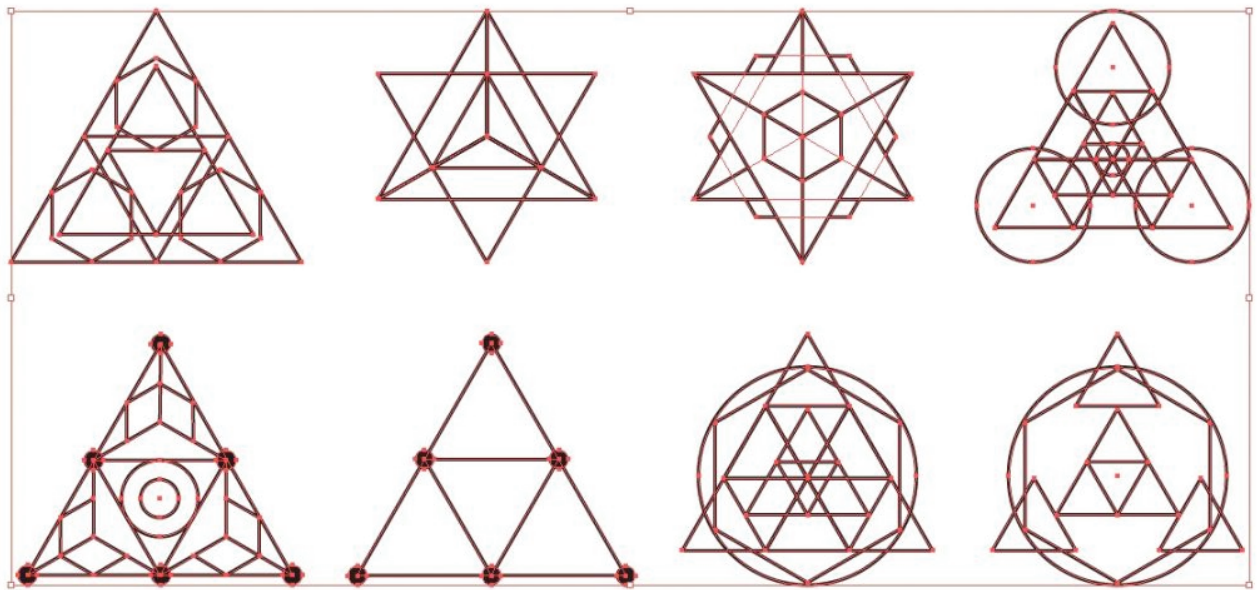
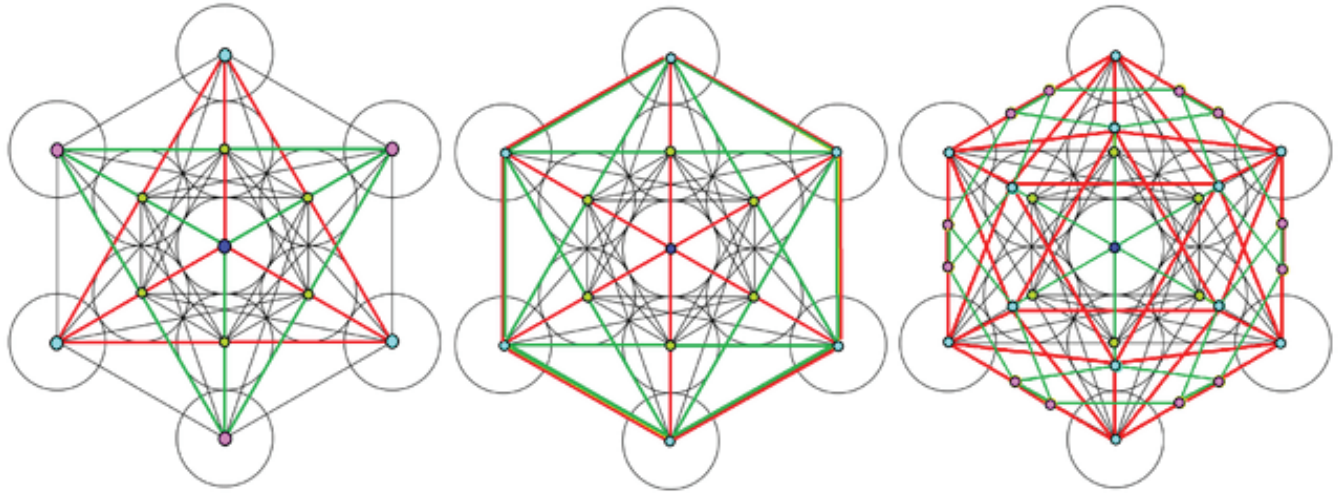


Sacred Geometry

Sacred geometry ascribes symbolic and sacred meanings to certain geometric shapes and certain geometric proportions. ... The geometry used in the design and construction of religious structures such as churches, temples, mosques, religious monuments, altars, and tabernacles has sometimes been considered sacred.

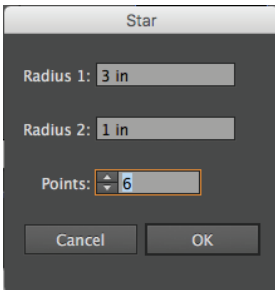
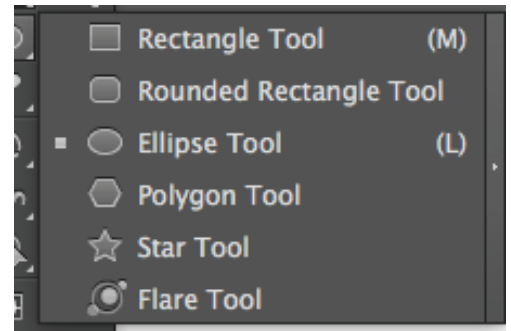


Step 1 - Open a new file in Adobe Illustrator = 8" x 10"

Add three artboards

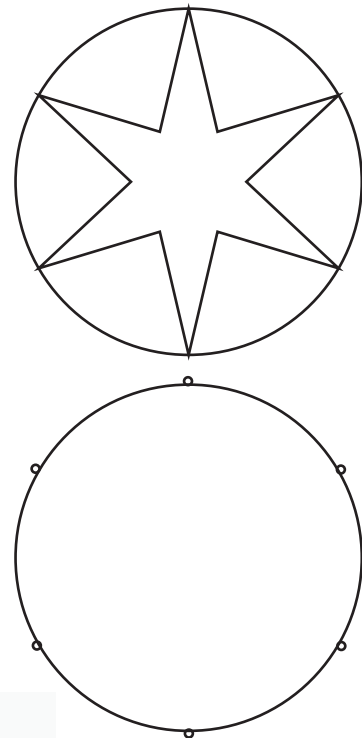
Step 2 - Select the ellipse tool, click on the working space. A box will appear, put in the height and width = 6" x 6". There should be no fill, just a black stroke.

Step 3 - Select the star tool. Click on the work area to open the box. Set radius 1 = 3", radius 2 = 1" and the points = 6



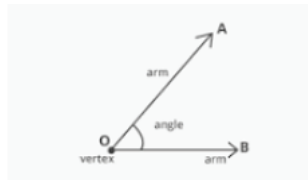
Step 4 - This is a temple to work over. Use the ellipse tool to put a mark at each point of the star. You will delete the star and use the marks as your targets. Group your temple together.

Step 5 - Use the pen tool to connect the targets via squares and triangles. There are thousands of solutions. Shapes should begin where two lines cross or at the vertex.

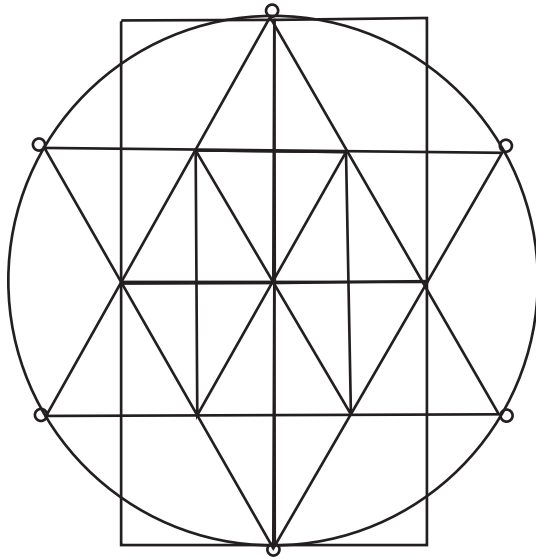


Parts of an Angle:

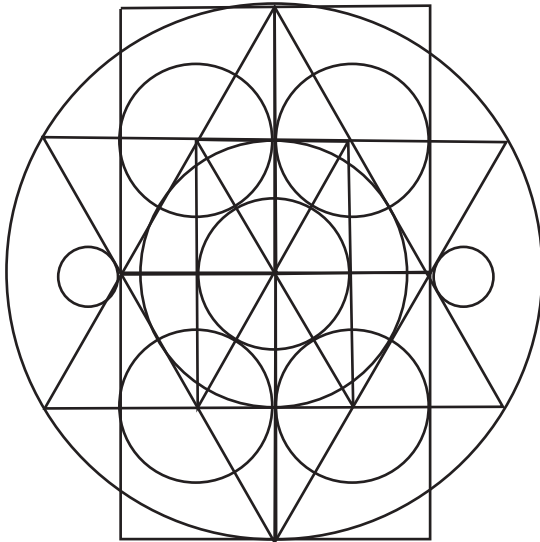
Arms: The two rays joining to form an **angle** are called arms of an **angle**. Here, OA and OB are the arms of the $\angle AOB$. Vertex: The common end point at which the two rays meet to form an **angle** is called the vertex. Here, the point O is the vertex of $\angle AOB$.



Helpful tip - You may want to lock the template down or work on another layer. This will help avoid the pen tool accidentally selecting the template.



Step 6 - Use other shapes to decorate your design. For example circles inside of circles can create emphasis.



For this assignment please make a series of three different solutions. Use the 6 pointed star from the instructions and 2 more that have a different number of points on the star. Complete all the steps for each solution. Be creative and have fun.