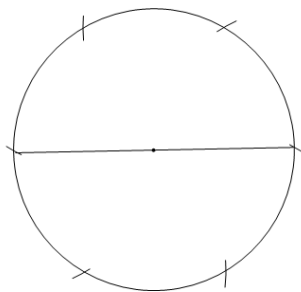
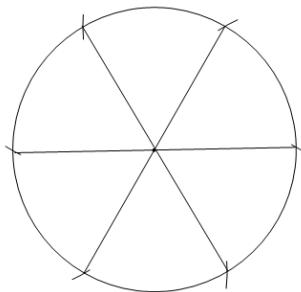


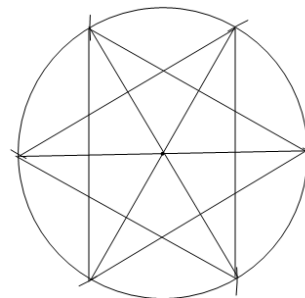
**Geometry WS 1.5 Create designs using the inscribed hexagon construction.**



#1



#2

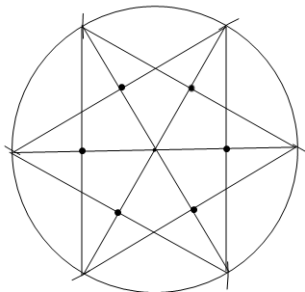


#3

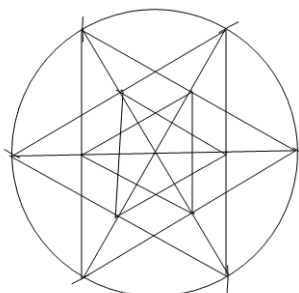
#1 - Construct the six vertices for an inscribed hexagon.

#2 - Using the marks from step #1, draw three diameters.

#3 - Using the marks from step #1, connect every other mark with a segment.



#4



#5

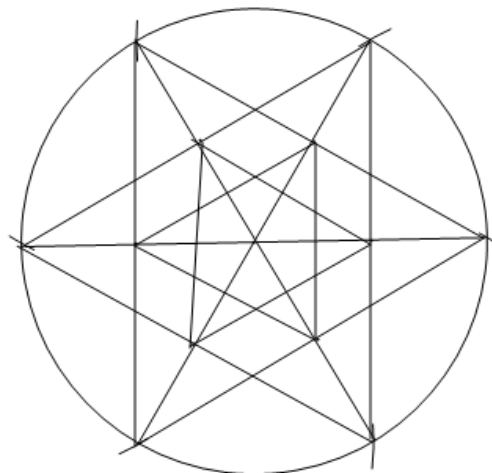
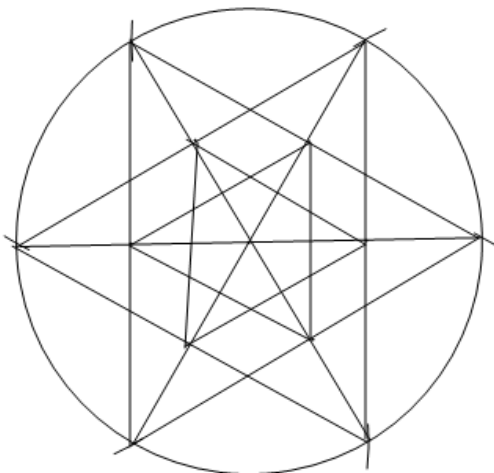
#4 - Mark the six points where the large triangles intersect the three diameter lines.

#5 - Using the marks from step #4, connect every other mark with a segment.

You now have the markings to create the following designs.

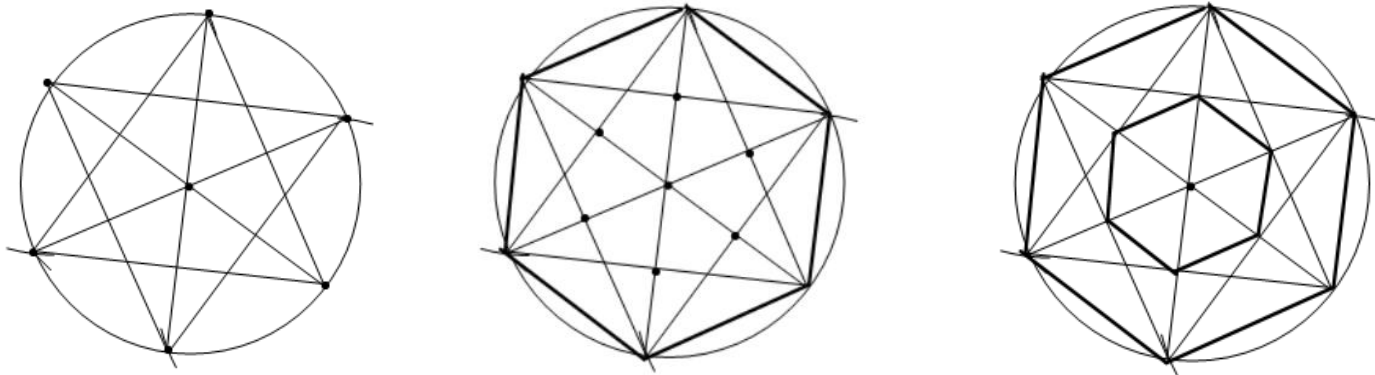


Use the blank construction diagrams below to replicate one or more of the above designs.



**Alternative designs using the inscribed hexagon construction.**

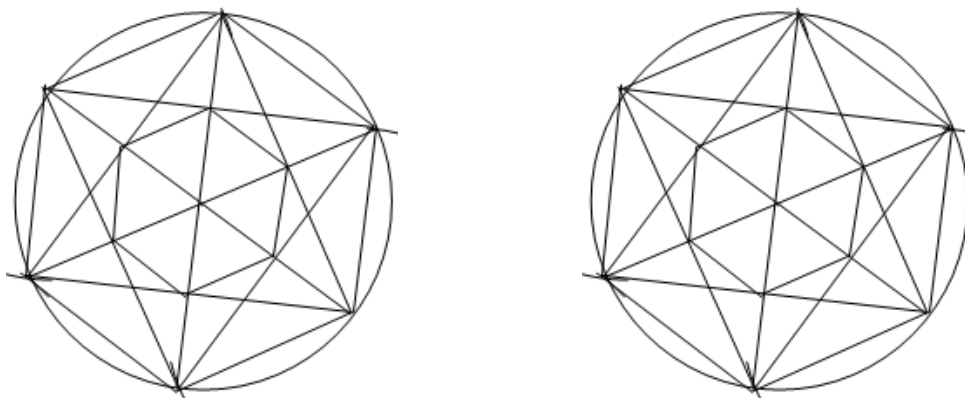
After step #3 above, connect the points. Connect the second set of points. Diagram below is what you're left with.



You now have the markings to create the following designs.



Use the blank construction diagrams below to replicate one or more of the above designs.



On a blank sheet of cardstock, create a design. Use the blank diagrams below for planning your creation.

