**Artifact #1- Geometry in the plane- Evidence Poster**

**Directions: Combine your work from each of the Learning stations and give a summary of your learning.**

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| Show your vocabulary: Show that you know your geometric vocabulary.  Draw a Point-a location on a plane.  Draw collinear points.  Draw a line segment.  Draw a ray  Draw two rays that share an endpoint.  Draw two lines that are perpendicular.  Draw two parallel lines.  Draw a right angle.  Draw arrows around a circle to show its circumference.  Draw a chord on the circle and label it.  On the same circle show the arc (arcs)  Construct ANY polygon and show its AREA.  Construct ANY polygon and show its PERIMETER | Circle properties of central angle and its’ arc: Show your understanding about the properties of the central point and inscribed angles.  Use the protractor to Draw a circle. Find the center-point of that circle and color it RED. Use the rulers (and a PENCIL) to draw an equal number of rays from the center point that extend to edge of the circle. Choose two rays and trace one in BLUE and the other in GREEN. Choose a separate color to show the arc of those two rays. Make the end points of the arc BROWN. Find the measure of the arc from endpoint to endpoint. Put the result of your measure in the space provided. Find the measure of the central angle. In the space provided , write summary of your findings. | Connect the formula station: Construct polygons and Non-Polygons. Explain the Area formula’s for each figure and find a connection between the formulas. |

4- Advanced work: It is evident that the student connected learning from all three stations to make a summary statement about this unit in geometry.

3- Student met most of the basic requirements for each station and the summary of the learning was primarily sufficient.

2- Most of the requirements for completing the work at the station were sufficient. The summary of learning did not demonstrate sufficient understanding.

1- Most of the requirements for completing the work at the station was not sufficient. The summary of learning did not demonstrate sufficient understanding.