**Polar Unit Summative Project Assessment Rubric:**

**Part 1: 50 points total**

Question 1: \_\_\_\_\_\_/10

*5 points: Correct mathematics/right coordinate*

*5 points: Thorough explanation of thought process*

Question 2: \_\_\_\_\_\_/10

*5 points: Correct mathematics/right coordinate*

*5 points: Thorough explanation of thought process*

Question 3: \_\_\_\_\_\_/20

*10 points: Description*

*-Circles (2 points)*

*-Roses (2 points)*

*-Limacons (2 points)*

*-Cardioids (2 points)*

*-Thoroughness of descriptions (2 points)*

*10 points: Relationship*

*-At least 2 different relationships (4 points each)*

*-Thoroughness of explanation (2 points)*

Question 4: \_\_\_\_\_\_/10

*2 points: States Day 1 choice and current choice*

 *4 points: Why the chose the form they did*

*4 points: Why they didn’t choose the other form*

**Part 2: 50 points total**

\_\_\_\_\_/10: Produces a unique, visually appealing, and creative design

\_\_\_\_\_/10: Uses at least two different types of curves

\_\_\_\_\_/15: Lists seven functions, four of which are polar

\_\_\_\_\_/15: Thoughtful reflection of creation process

\_\_\_\_\_ Bonus: up to 3 extra points (1 for each extra function written in polar)

**Grade: \_\_\_\_\_\_\_\_/100**

**Comments:**