Math 4 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 1 Review**  Date\_\_\_\_\_\_\_\_

![[image]]()1. **Function Families**

Given a function or graph, find the domain, range, symmetries, degree and type of function family.

Domain: Range:

Symmetry: Type of function:

2. **Function Operations**

Given two functions, calculate arithmetic operations and the composition of the functions.

  

 Calculate the following:

  

  

3. **Parametric Equations**

 Use parametric equation to construct a graph. Convert parametric equations to rectangular form.

 

Graph the equations over the interval  then convert the equations to rectangular form & simplify.

4. **Chunking/*u*-substitution**

 Solve for *x*.

 

5. **Number Line Analysis**

 Solve the inequality below.

 

6. **Arithmetic and Geometric Sequences and Series including Sigma Notation**

 Study your 1-6, 1-7 and 1-8 material & look over the quiz you just took!