**Unit 1 Review Assignment: Name:**

**Part A: Review Graphs of Functions -** Graph each of the following equations in the standard view window of your graphing calculator.

1.  2.  3. 

Type of function: Type of function: Type of function:

Domain: Domain: Domain:

Range: Range: Range:

x-intercept(s): Coordinates of Vertex: Vertex:

Y-intercept(s): Y-intercept(s): Y-intercept(s):

Slope: Equation of the axis of symmetry Axis of symmetry

4.  5.  6. 

Type of function: Type of function: Type of function:

Domain: Domain: Domain:

Range: Range: Range:

Zeros: X-intercept(s):

Y-intercept(s): Y-intercept(s):

Relative Maximum: Equation of Vertical Asymptote:

Relative Minimum: Equation of Vertical Asymptote:

**Part B: Review Function Notation**

1. If , find the following in simplest form:



1. If , write the following in terms of the function *f*:



1. If , write the following in terms of the function *f*:





**Answer Key**

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