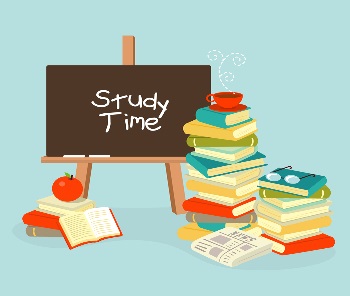
**Algebra 1:**

**Unit #5: Functions Reflective Portfolio**

At the conclusion of each unit, you will complete a reflective study sheet.

**Section #1: Vocabulary: Write a definition for each**

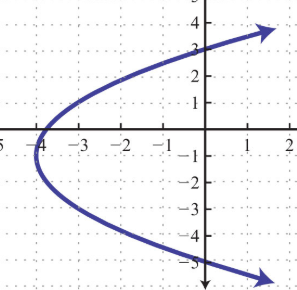
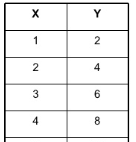
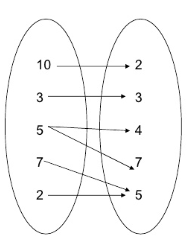
1. Domain vs Range:
2. Function:

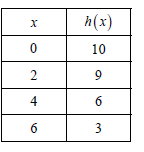
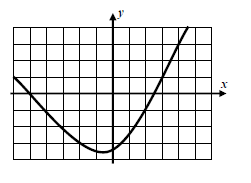
**Section #2: Formulas/Equations/Rules (Show the process)**

1. The name of seven parent functions:
2. The formula for finding the average rate of change.

**Section #3: Key methods and concepts**

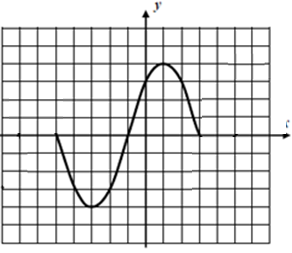
1. Identify if the relation represents a function and justify your answer. 



1. Given the following three functions: x f(x)

t(x)h(x)

1. Evaluate t(3)= \_\_\_\_\_\_\_\_ h(4)= \_\_\_\_\_\_\_\_ f(-1)= \_\_\_\_\_\_\_\_\_\_ -2f(-1)+3t(3)=
2. Find x when \_\_\_\_\_\_\_\_\_\_\_\_ Find x when \_\_\_\_\_\_\_\_\_\_\_
3. Find the Average rate of change over the interval 2≤x≤4 for t(x) and h(x)
4. Look at the graph and find the following



1. Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Intercepts. Zeros:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

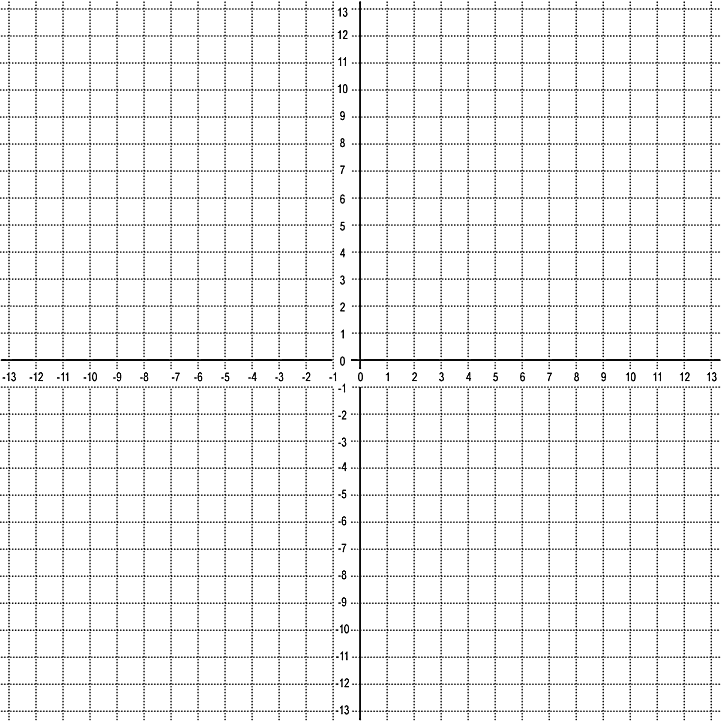
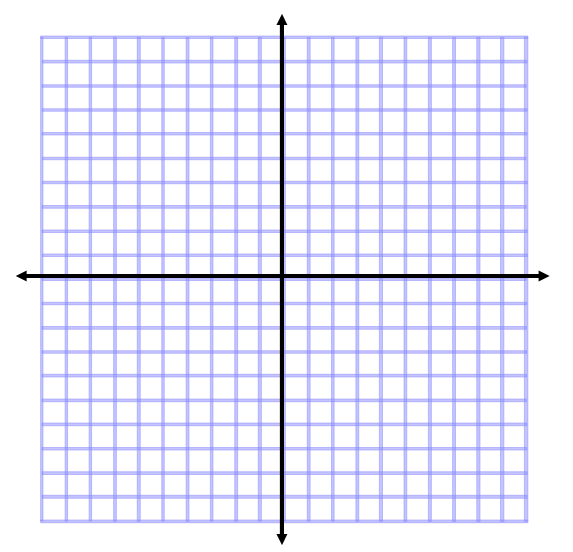
y-intercept\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Intervals An increasing interval\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A decreasing interval\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

An interval where f(x) > 0\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

An interval where f(x)< 0\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Extrema: Maximum:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Minimum:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2.  Graph the following step function:
3. Graph and evaluate the following Piecewise function

1. Evaluate based on the above h(t) and f(x)

f(-2)= f(1)=

h(1)= h(5)=