**Summary Unit One: Introduction to Functions and Transformations**

Things to know. Be able to…

1. Determine if a relationship is a function from an equation, table of values, mapping, and a graph.
2. Determine the domain and range of a relationship from the equation or graph.
3. Evaluate/simplify functions. Example: If , evaluate f(3) or simplify .
4. Apply transformations (k, d, a and c) to graph a function.
5. Determine the inverse of a function.
6. Know the general shape of the following functions:

Practice Question

Determine the values of k, d, a and c then describe the transformation for each constant.

1. b)

|  |  |
| --- | --- |
| Constant | Transformation |
| k |  |
| d |  |
| a |  |
| c |  |

|  |  |
| --- | --- |
| Constant | Transformation |
| k |  |
| d |  |
| a |  |
| c |  |