Write in here your summary of each of the important transformations of functions and the effects they have on the graph of the function:

- Adding a number $c$ to the output (Adding a number $c$ to the value of the function):
- Adding a number $c$ to the input (Inputing $x+c$ in place of $x$ ):
- Multiplying the output by a positive number $c$ (Multiplying the value of the function by a positive number $c$ ):
- Multiplying the input by a positive number $c$ (Inputing $c x$ in place of $x$ ):
- Multiplying the output by -1 (Multiplying the value of the function by -1 ):
- Multiplying the input by -1 (Inputing $-x$ in place of $x$ ):

Basic graphs: These are the simplest, most basic examples of these types of functions

- Absolute value function $y=|x|$


Domain:

- Square root function $y=\sqrt{x}$


Domain:

- Quadratic function $y=x^{2}$


Domain:

- Rational function $y=\frac{1}{x}$


Domain:

- Cubic function $y=x^{3}$


Domain:

