## Precalculus - Parent Functions used in Transformations

A family of functions is a group of functions with graphs that have one or more defining characteristics. The Parent Function is the simplest function with the defining characteristics of the family.
Functions in the same family are transformations of their parent functions.


| Inverse Square |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Parent: |
| $y=\frac{1}{x^{2}}$ |

## Trigonometric Functions:



