

Parent Functions

Who's Yo' Momma?

(credit to my friends Mrs. Peterson and Mrs. Fouss)

Directions: For each parent function do the following:

- Fill in the values on the chart for the function.
- Plot the points onto the graph on the card stock given to you.
- Connect the points in a smooth fashion.
- Check the graph you found by graphing it in the calculator. Make sure you are in the Zoom Standard window (Zoom 6).
- Once all 6 graphs are completed, cut out the 6 cards and tables and glue them into your interactive notebook next to each other on the Parent Function page. You will need these for later exercises.

Parent Functions:

1) $f(x) = x$

x	f(x)
-2	
-1	
0	
1	
2	

2) $f(x) = |x|$

x	f(x)
-2	
-1	
0	
1	
2	

3) $f(x) = x^2$

x	f(x)
-2	
-1	
0	
1	
2	

4) $f(x) = \sqrt{x}$

x	f(x)
0	
1	
4	
9	

5) $f(x) = x^3$

x	f(x)
-2	
-1	
0	
1	
2	

6) $f(x) = \sqrt[3]{x}$

x	f(x)
-8	
-1	
0	
1	
8	

