

Library of Special Function

Name: _____

Instructions:

- Your graphs have to be specific as possible. Label axes, intercepts, asymptotes, etc.
- Use correct notation for the domain and the range.
- It needs to be neat and clean
- Please use ruler.

	FUNCTION	GRAPH	DOMAIN (SET)	DOMAIN (INT.)	RANGE (SET)	RANGE (INT.)
1.	$f(x)=[x]$					
2.	$f(x)=c$					
3.	$f(x)=x$					
4.	$f(x)= x $					
5.	$f(x)=x^2$					
6.	$f(x)=\sqrt{x}$					
7.	$f(x)=\frac{1}{x}$					
8.	$f(x)=x^3$					
9.	$f(x)=\sqrt[3]{x}$					

10	$y = b^x$ when $b > 1$ <u>Exponential Growth</u>					
11	$y = b^x$ when $0 < b < 1$ <u>Exponential Decay</u>					
12	$f(x) = \log_b x$ when $b > 1$ <u>Logarithmic Growth</u>					
13	$f(x) = \log_b x$ when $0 < b < 1$ <u>Logarithmic Decay</u>					