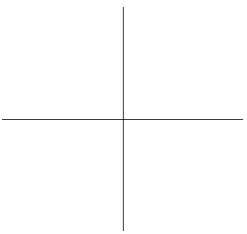
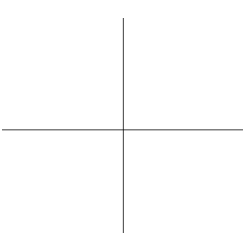
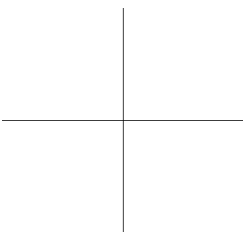
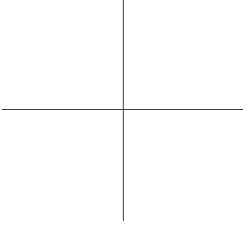
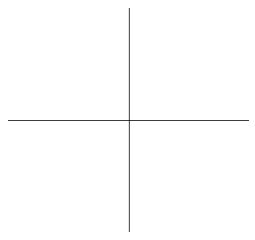
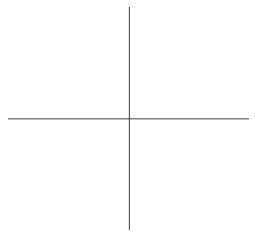
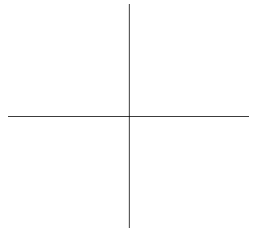
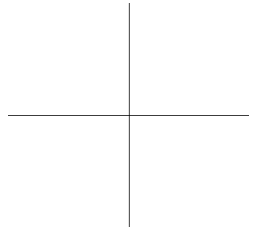
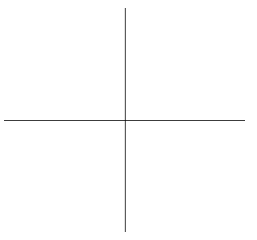
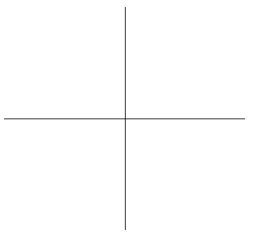
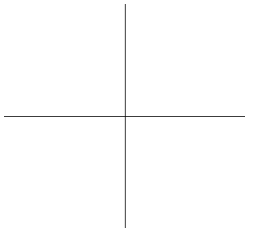
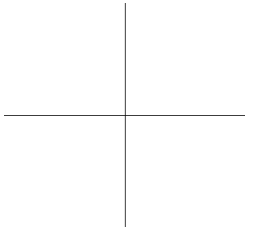
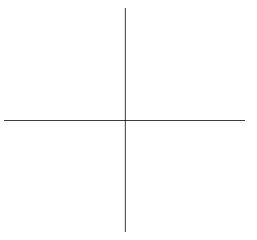
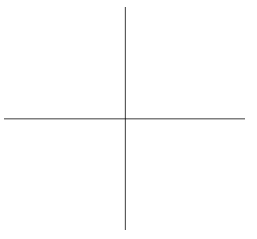


# Library of Functions

	Equation	Graph	
1	Constant  _____		Set D: _____ R: _____ Interval D: _____ R: _____ Symmetry _____ Even/Odd/Neither _____ End Behavior $x \rightarrow -\infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$ ; $x \rightarrow \infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$
2	Identity  _____		Set D: _____ R: _____ Interval D: _____ R: _____ Symmetry _____ Even/Odd/Neither _____ End Behavior $x \rightarrow -\infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$ ; $x \rightarrow \infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$
3	Absolute Value  _____		Set D: _____ R: _____ Interval D: _____ R: _____ Symmetry _____ Even/Odd/Neither _____ End Behavior $x \rightarrow -\infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$ ; $x \rightarrow \infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$
4	Quadratic  _____		Set D: _____ R: _____ Interval D: _____ R: _____ Symmetry _____ Even/Odd/Neither _____ End Behavior $x \rightarrow -\infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$ ; $x \rightarrow \infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$

5	Square Root _____		<p style="text-align: center;">Set</p> D: _____ R: _____ Interval D: _____ R: _____ Symmetry Even/Odd/Neither End Behavior $x \rightarrow -\infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$ ; $x \rightarrow \infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$
6	Reciprocal _____		<p style="text-align: center;">Set</p> D: _____ R: _____ Interval D: _____ R: _____ Symmetry Even/Odd/Neither End Behavior $x \rightarrow -\infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$ ; $x \rightarrow \infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$
7	Cubic _____		<p style="text-align: center;">Set</p> D: _____ R: _____ Interval D: _____ R: _____ Symmetry Even/Odd/Neither End Behavior $x \rightarrow -\infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$ ; $x \rightarrow \infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$
8	Cube Root _____		<p style="text-align: center;">Set</p> D: _____ R: _____ Interval D: _____ R: _____ Symmetry Even/Odd/Neither End Behavior $x \rightarrow -\infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$ ; $x \rightarrow \infty \quad f(x) \rightarrow \underline{\hspace{2cm}}$

9	<p>Greatest Integer</p> <p>_____</p>		<p style="text-align: center;">Set</p> <p>D: _____ R: _____</p> <hr/> <p style="text-align: center;">Interval</p> <p>D: _____ R: _____</p> <hr/> <p style="text-align: center;">Symmetry</p> <hr/> <p style="text-align: center;">Even/Odd/Neither</p> <hr/> <p style="text-align: center;">End Behavior</p> <p><math>x \rightarrow -\infty</math> <math>f(x) \rightarrow</math> _____; <math>x \rightarrow \infty</math> <math>f(x) \rightarrow</math> _____</p>
10	<p>Reciprocal of a Square</p> <p>_____</p>		<p style="text-align: center;">Set</p> <p>D: _____ R: _____</p> <hr/> <p style="text-align: center;">Interval</p> <p>D: _____ R: _____</p> <hr/> <p style="text-align: center;">Symmetry</p> <hr/> <p style="text-align: center;">Even/Odd/Neither</p> <hr/> <p style="text-align: center;">End Behavior</p> <p><math>x \rightarrow -\infty</math> <math>f(x) \rightarrow</math> _____; <math>x \rightarrow \infty</math> <math>f(x) \rightarrow</math> _____</p>
11	<p>Semicircle</p> <p>_____</p>		<p style="text-align: center;">Set</p> <p>D: _____ R: _____</p> <hr/> <p style="text-align: center;">Interval</p> <p>D: _____ R: _____</p> <hr/> <p style="text-align: center;">Symmetry</p> <hr/> <p style="text-align: center;">Even/Odd/Neither</p> <hr/> <p style="text-align: center;">End Behavior</p> <p><math>x \rightarrow -\infty</math> <math>f(x) \rightarrow</math> _____; <math>x \rightarrow \infty</math> <math>f(x) \rightarrow</math> _____</p>
12	<p>Exponential Growth</p> <p>_____</p>		<p style="text-align: center;">Set</p> <p>D: _____ R: _____</p> <hr/> <p style="text-align: center;">Interval</p> <p>D: _____ R: _____</p> <hr/> <p style="text-align: center;">Symmetry</p> <hr/> <p style="text-align: center;">Even/Odd/Neither</p> <hr/> <p style="text-align: center;">End Behavior</p> <p><math>x \rightarrow -\infty</math> <math>f(x) \rightarrow</math> _____; <math>x \rightarrow \infty</math> <math>f(x) \rightarrow</math> _____</p>

13	Exponential Decay <hr/>		<p style="text-align: center;"><b>Set</b></p> <p>D: _____ R: _____</p> <p style="text-align: center;"><b>Interval</b></p> <p>D: _____ R: _____</p> <p style="text-align: center;"><b>Symmetry</b></p> <p style="text-align: center;"><b>Even/Odd/Neither</b></p> <p style="text-align: center;"><b>End Behavior</b></p> <p><math>x \rightarrow -\infty</math> <math>f(x) \rightarrow</math> _____; <math>x \rightarrow \infty</math> <math>f(x) \rightarrow</math> _____</p>
14	Natural Logarithm <hr/>		<p style="text-align: center;"><b>Set</b></p> <p>D: _____ R: _____</p> <p style="text-align: center;"><b>Interval</b></p> <p>D: _____ R: _____</p> <p style="text-align: center;"><b>Symmetry</b></p> <p style="text-align: center;"><b>Even/Odd/Neither</b></p> <p style="text-align: center;"><b>End Behavior</b></p> <p><math>x \rightarrow -\infty</math> <math>f(x) \rightarrow</math> _____; <math>x \rightarrow \infty</math> <math>f(x) \rightarrow</math> _____</p>