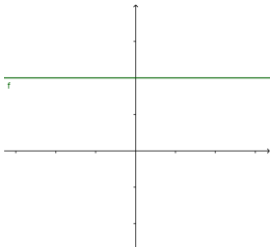
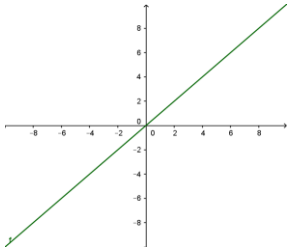
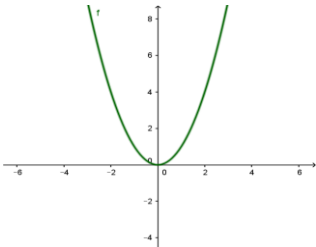
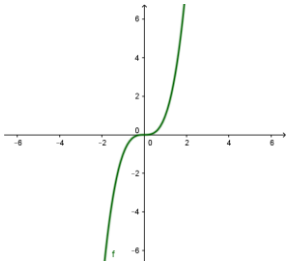
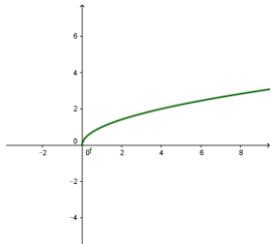
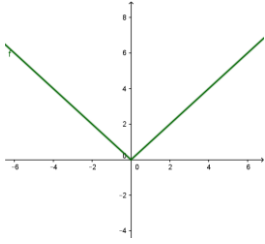
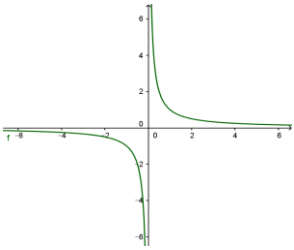
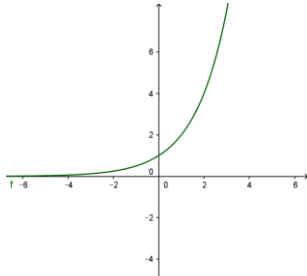


The Library of Functions		
<p>The Constant Function:</p> $f(x) = b$ <p>Domain: $(-\infty, \infty)$</p> <p>Range: $\{b\}$</p> 	<p>The Identity Function:</p> $f(x) = x$ <p>Domain: $(-\infty, \infty)$</p> <p>Range: $(-\infty, \infty)$</p> 	<p>The Quadratic Function:</p> $f(x) = x^2$ <p>Domain: $(-\infty, \infty)$</p> <p>Range: $[0, \infty)$</p> 
<p>The Cubic Function:</p> $f(x) = x^3$ <p>Domain: $(-\infty, \infty)$</p> <p>Range: $(-\infty, \infty)$</p> 	<p>The Square Root Function:</p> $f(x) = \sqrt{x}$ <p>Domain: $[0, \infty)$</p> <p>Range: $[0, \infty)$</p> 	<p>The Absolute Value Function:</p> $f(x) = x $ <p>Domain: $(-\infty, \infty)$</p> <p>Range: $[0, \infty)$</p> 
<p>The Reciprocal Function:</p> $f(x) = \frac{1}{x}$ <p>Domain: $(-\infty, 0) \cup (0, \infty)$</p> <p>Range: $(-\infty, 0) \cup (0, \infty)$</p> 	<p>The Exponential Function:</p> $f(x) = b^x \quad (b > 0, b \neq 1)$ <p>Domain: $(-\infty, \infty)$</p> <p>Range: $(0, \infty)$</p> 	<p>The Logarithmic Function:</p> $f(x) = \log_b x \quad (b > 0, b \neq 1)$ <p>Domain: $(0, \infty)$</p> <p>Range: $(-\infty, \infty)$</p> 