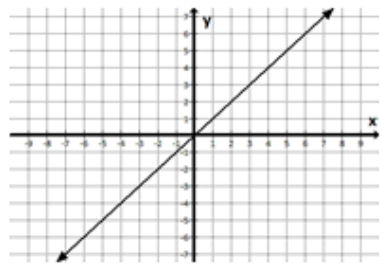
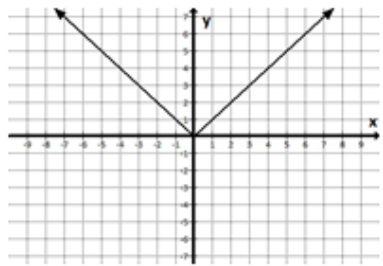
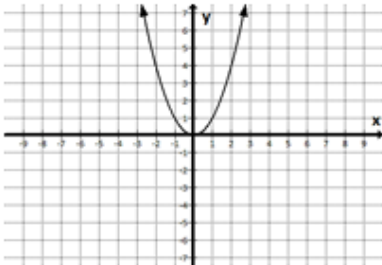
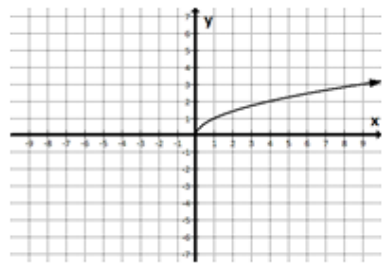
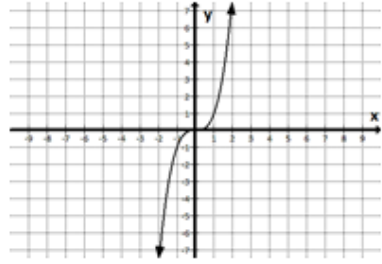
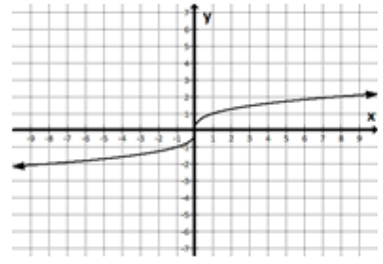
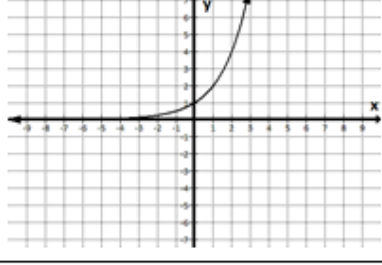
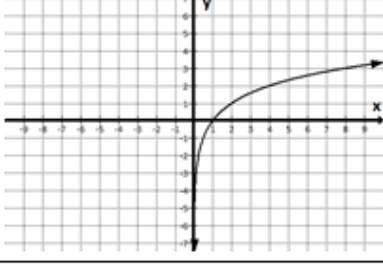
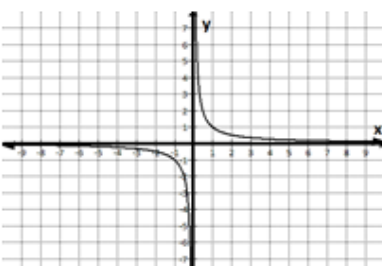
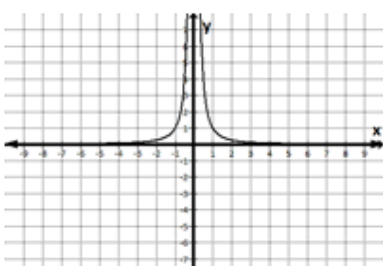
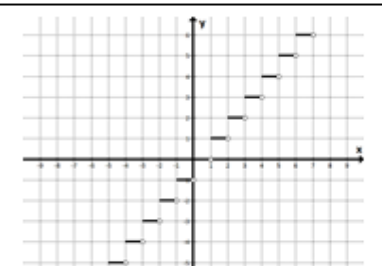


Parent Function	Graph	Parent Function	Graph
$y = x$ <b>Linear, Odd</b> Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$ End Behavior: $x \rightarrow -\infty, y \rightarrow -\infty$ $x \rightarrow \infty, y \rightarrow \infty$		$y =  x $ <b>Absolute Value, Even</b> Domain: $(-\infty, \infty)$ Range: $[0, \infty)$ End Behavior: $x \rightarrow -\infty, y \rightarrow \infty$ $x \rightarrow \infty, y \rightarrow \infty$	
$y = x^2$ <b>Quadratic, Even</b> Domain: $(-\infty, \infty)$ Range: $[0, \infty)$ End Behavior: $x \rightarrow -\infty, y \rightarrow \infty$ $x \rightarrow \infty, y \rightarrow \infty$		$y = \sqrt{x}$ <b>Radical, Neither</b> Domain: $[0, \infty)$ Range: $[0, \infty)$ End Behavior: $x \rightarrow \infty, y \rightarrow \infty$	
$y = x^3$ <b>Cubic, Odd</b> Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$ End Behavior: $x \rightarrow -\infty, y \rightarrow -\infty$ $x \rightarrow \infty, y \rightarrow \infty$		$y = \sqrt[3]{x}$ <b>Cube Root, Odd</b> Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$ End Behavior: $x \rightarrow -\infty, y \rightarrow -\infty$ $x \rightarrow \infty, y \rightarrow \infty$	
$y = b^x, b > 1$ <b>Exponential, Neither</b> Domain: $(-\infty, \infty)$ Range: $(0, \infty)$ End Behavior: $x \rightarrow -\infty, y \rightarrow 0$ $x \rightarrow \infty, y \rightarrow \infty$		$y = \log_b(x), b > 1$ <b>Log, Neither</b> Domain: $(0, \infty)$ Range: $(-\infty, \infty)$ End Behavior: $x \rightarrow 0^+, y \rightarrow -\infty$ $x \rightarrow \infty, y \rightarrow \infty$	
$y = \frac{1}{x}$ <b>Rational (Inverse), Odd</b> Domain: $(-\infty, 0) \cup (0, \infty)$ Range: $(-\infty, 0) \cup (0, \infty)$ End Behavior: $x \rightarrow -\infty, y \rightarrow 0$ $x \rightarrow \infty, y \rightarrow 0$		$y = \frac{1}{x^2}$ <b>Rational (Inverse Squared), Even</b> Domain: $(-\infty, 0) \cup (0, \infty)$ Range: $(0, \infty)$ End Behavior: $x \rightarrow -\infty, y \rightarrow 0$ $x \rightarrow \infty, y \rightarrow 0$	
$y = \text{int}(x) = [x]$ <b>Greatest Integer, Neither</b> Domain: $(-\infty, \infty)$ Range: $\{y: y \in \mathbb{Z}\}$ (integers) End Behavior: $x \rightarrow -\infty, y \rightarrow -\infty$ $x \rightarrow \infty, y \rightarrow \infty$		$y = C$ ( $y = 2$ in the graph) <b>Constant, Even</b> Domain: $(-\infty, \infty)$ Range: $\{y: y = C\}$ End Behavior: $x \rightarrow -\infty, y \rightarrow C$ $x \rightarrow \infty, y \rightarrow C$	