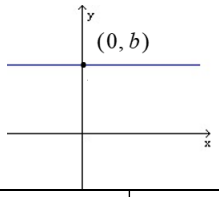
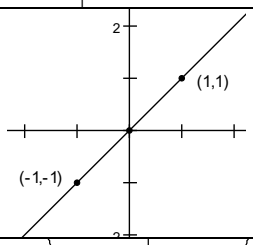
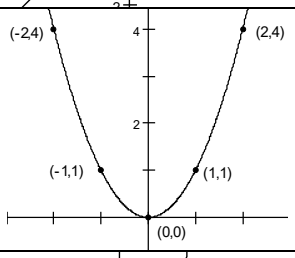
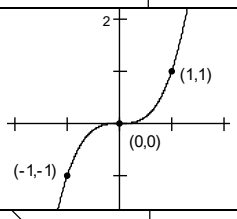
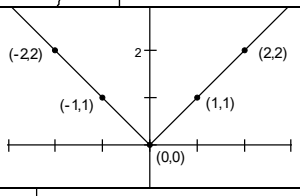
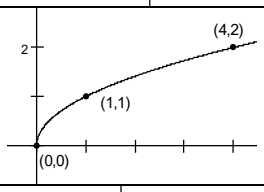
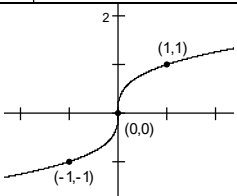
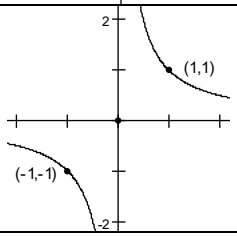
Basic Functions

Name	Equation	Graph	Domain	Range	Symmetry
Constant Function	$f(x)=b$		$(-\infty,\infty)$	$\{b\}$	Even
Identity Function	$f(x)=x$		$(-\infty,\infty)$	$(-\infty,\infty)$	Odd
Square Function	$f(x)=x^2$		$(-\infty,\infty)$	$[0,\infty)$	Even
Cube Function	$f(x)=x^3$		$(-\infty,\infty)$	$(-\infty,\infty)$	Odd
Absolute Value Function	$f(x)=\lvert x\rvert$		$(-\infty,\infty)$	$[0,\infty)$	Even
Square Root Function	$f(x)=\sqrt{x}$		$[0,\infty)$	$[0,\infty)$	None
Cube Root Function	$f(x)=\sqrt[3]{x}$		$(-\infty,\infty)$	$(-\infty,\infty)$	Odd
Reciprocal Function	$f(x)=\frac{1}{x}$		$(-\infty,0)\cup(0,\infty)$	$(-\infty,0)\cup(0,\infty)$	Odd