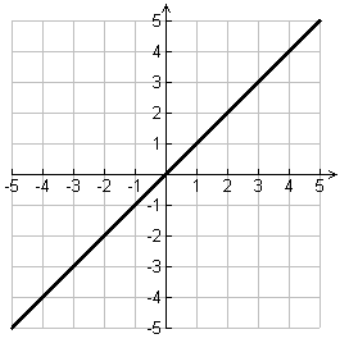
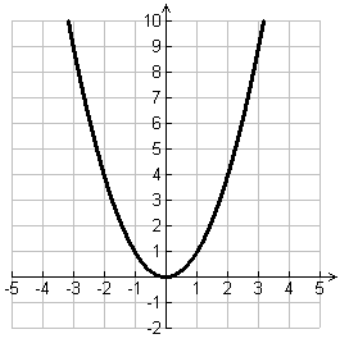
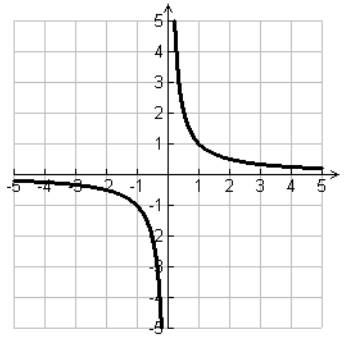
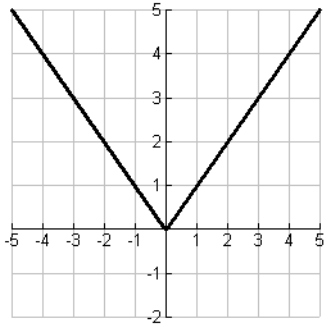
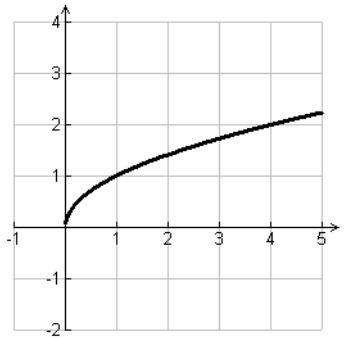
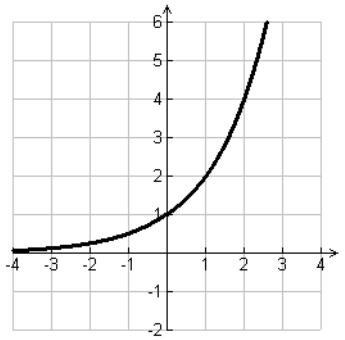
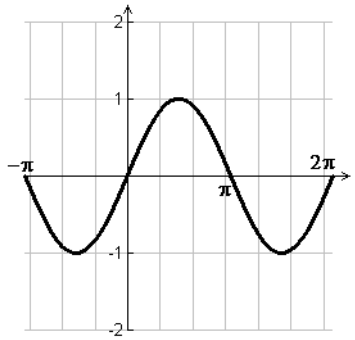
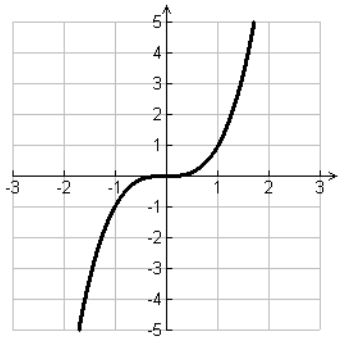
Parent Function	$f(x)=x$	$g(x)=x^2$	$h(x)=\frac{1}{x}$	$k(x)=\lvert x\rvert$
Sketch				
Domain	$\{x\in\mathbb{R}\}$	$\{x\in\mathbb{R}\}$	$\{x\in\mathbb{R}, x\neq 0\}$	$\{x\in\mathbb{R}\}$
Range	$\{y\in\mathbb{R}\}$	$\{y\in\mathbb{R}, y\geq 0\}$	$\{y\in\mathbb{R}, y\neq 0\}$	$\{y\in\mathbb{R}, y\geq 0\}$
Intervals of Increase	$(-\infty,\infty)$	$(0,\infty)$	none	$(0,\infty)$
Intervals of Decrease	none	$(-\infty,0)$	$(-\infty,0),\ (0,\infty)$	$(-\infty,0)$
Location of Discontinuities	none	none	$x=0$	none
x-intercepts	0	0	none	0
y-intercepts	0	0	none	0
Symmetry	odd	even	odd	even
End Behaviours	as $x\to\infty, y\to\infty$ as $x\to-\infty, y\to-\infty$	as $x\to\infty, y\to\infty$ as $x\to-\infty, y\to\infty$	as $x\to\infty, y\to 0$ as $x\to-\infty, y\to 0$	as $x\to\infty, y\to\infty$ as $x\to-\infty, y\to\infty$

Parent Function	$m(x)=\sqrt{x}$	$p(x)=2^x$	$r(x)=\sin x$	$u(x)=x^3$
Sketch				
Domain	$\{x\in\mathbb{R}, x\geq 0\}$	$\{x\in\mathbb{R}\}$	$\{x\in\mathbb{R}\}$	$\{x\in\mathbb{R}\}$
Range	$\{y\in\mathbb{R}, y\geq 0\}$	$\{y\in\mathbb{R}, y>0\}$	$\{y\in\mathbb{R}, -1\leq y\leq 1\}$	$\{y\in\mathbb{R}\}$
Intervals of Increase	$[0,\infty)$	$(-\infty,\infty)$	$(-90^\circ+360^\circ k, 90^\circ+360^\circ k)$ $k\in\mathbb{Z}$	$(-\infty,0)$, $(0,\infty)$
Intervals of Decrease	none	none	$(90^\circ+360^\circ k, 270^\circ+360^\circ k)$ $k\in\mathbb{Z}$	none
Location of Discontinuities	none	none	none	none
x-intercepts	0	none	$180^\circ k, k\in\mathbb{Z}$	0
y-intercepts	0	1	0	0
Symmetry	none	none	odd	odd
End Behaviours	as $x\to\infty, y\to\infty$	as $x\to\infty, y\to\infty$ as $x\to-\infty, y\to 0$	not applicable	as $x\to\infty, y\to\infty$ as $x\to-\infty, y\to-\infty$