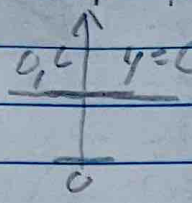
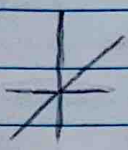
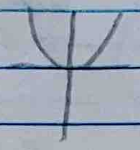
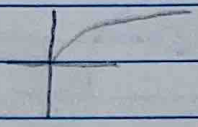
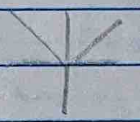
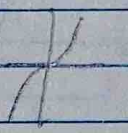
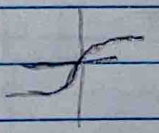
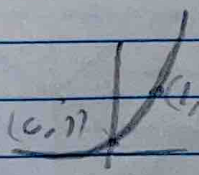
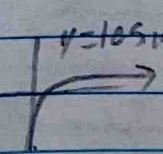
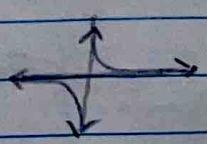
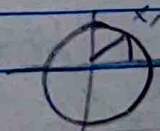
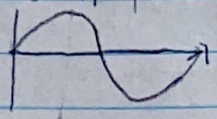
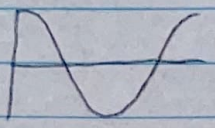
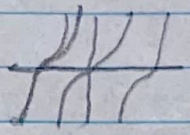
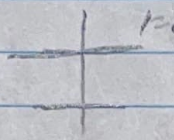
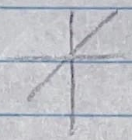
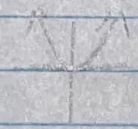
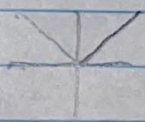
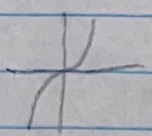
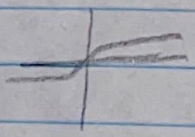
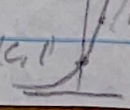
Carlos Gedman

	Name	Parent function	Graph	domain/range
1	Constant	$f(x)=C$		Domain: $(-\infty, \infty)$ Range: (C, C)
2	Linear	$f(x)=x$		Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$
3	quadratic	$f(x)=x^2$		Domain: $(-\infty, \infty)$ Range: $(0, \infty)$
4	Square root	$f(x)=\sqrt{x}$		Domain: $(0, \infty)$ Range: $(0, \infty)$
5	absolute value	$f(x)=\lvert x \rvert$		Domain: $(-\infty, \infty)$ Range: $(0, \infty)$
6	cubic	$f(x)=x^3$		Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$
7	cube	$f(x)=\sqrt[3]{x}$		Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$
8	exponential	$f(x)=10^x$ or $f(x)=e^x$		Domain: $(-\infty, \infty)$ Range: $(0, \infty)$
9	logarithmic	$f(x)=\log x$ $f(x)=\ln(x)$		Domain: $(0, \infty]$ Range: $(-\infty, \infty)$
10	rational	$f(x)=\frac{1}{x}$		Domain: $(-\infty, 0) \cup (0, \infty)$ Range: $(-\infty, 0) \cup (0, \infty)$
11	circle	$x^2+y^2=r^2$		Domain: $(-r+k, r+k)$ Range: $(-r+k, r+k)$

Carlos Gredman

	name	Parent function	graph	domain range
12	Sine	$f(x)=\sin(x)$		Domain: $(-\infty,\infty)$ Range: $(-1,1)$
13	cosine	$f(x)=\cos(x)$		Domain: $(-\infty,\infty)$ Range: $(-1,1)$
14	tangent	$f(x)=\tan x = \frac{\sin(x)}{\cos(x)}$		Domain: $(-\infty,\infty)$ except $\tan x = \frac{1}{2} \pm n\pi$ Range: $(-\infty,\infty)$

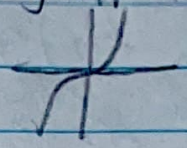
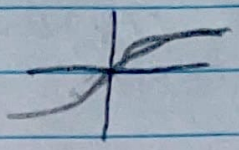
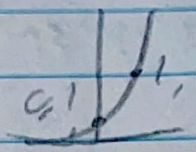
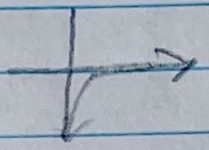
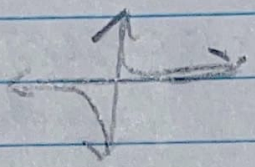
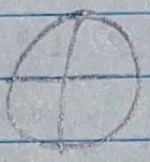
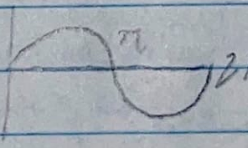
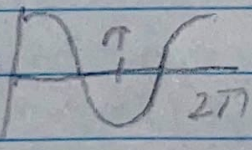
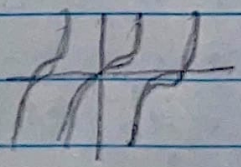
	name	Parent function	graph	domain Range
1	constant	$f(x)=c$		Domain: $(-\infty,\infty)$ Range: (c,c)
2	linear	$f(x)=x$		Domain: $(-\infty,\infty)$ Range: $(-\infty,\infty)$
3	quadratic	$f(x)=x^2$		Domain: $(-\infty,\infty)$ Range: (c,∞)
4	square root	$f(x)=\sqrt{x}$		Domain: $[0,\infty)$ Range: $[0,\infty)$
5	absolut value	$f(x)=\lvert x\rvert$		Domain: $(-\infty,\infty)$ Range: (c,∞)
6	cubic	$f(x)=x^3$		Domain: $(-\infty,\infty)$ Range: $(-\infty,\infty)$
7	cube	$f(x)=\sqrt[3]{x}$		Domain: $(-\infty,\infty)$ Range: $(-\infty,\infty)$
8	exponential	$f(x)=b^x$ or $f(x)=e^x$		Domain: $(-\infty,\infty)$ Range: (c,∞)

Carlos Gredmen

	Name	Parent Function	Graph	Domain / Range
9	logarithmic	$f(x)=\log x$ or $f(x)=\ln x$	$y=\log_{10} x$	Domain: $(0,\infty)$ Range: $(-\infty,\infty)$
10	rational	$f(x)=\frac{1}{x}$		Domain: $(-\infty,0)\cup(0,\infty)$ Range: $(-\infty,0)\cup(0,\infty)$
11	circle	$x^2+y^2=r^2$		Domain: $(-r+h, r+h)$ Range: $(-r+k, r+k)$
12	sine	$f(x)=\sin(x)$	π 2π	Domain: $(-\infty,\infty)$ Range: $(-1,1)$
13	cosine	$f(x)=\cos(x)$	π 2π	Domain: $(-\infty,\infty)$ Range: $(-1,1)$
14	tangent	$f(x)=\tan(x)=\frac{\sin(x)}{\cos(x)}$		Domain: $(-\infty,\infty)$ except for $x=\frac{\pi}{2}+n\pi$ Range: $(-\infty,\infty)$

	Name	Parent function	graph	Domain / Range
1	Constant	$f(x)=c$	$y=c$	Domain: $(-\infty,\infty)$ Range: (c,c)
2	Linear	$f(x)=x$		Domain: $(-\infty,\infty)$ Range: $(-\infty,\infty)$
3	quadratic	$f(x)=x^2$		Domain: $(-\infty,\infty)$ Range: (c,∞)
4	Square root	$f(x)=\sqrt{x}$		Domain: (c,∞) Range: (c,∞)
5	absolute value	$f(x)=\lvert x\rvert$		Domain: $(-\infty,\infty)$ Range: (c,∞)

Carlos Gresham

	name	Parent function	graph	Domain Range
6	cubic	$f(x)=x^3$		Domain: $(-\infty,\infty)$ Range: $(-\infty,\infty)$
7	cube	$f(x)=\sqrt[3]{x}$		Domain: $(-\infty,\infty)$ Range: $(-\infty,\infty)$
8	exponential	$f(x)=ab^x$ or $f(x)=x^x$		Domain: $(-\infty,\infty)$ Range: (c,∞)
9	logarithmic	$f(x)=\log x$ or $f(x)=\ln x$		Domain: (c,∞) Range: $(-\infty,\infty)$
10	rational	$f(x)=\frac{1}{x}$		Domain: $(-\infty,c)\cup(c,\infty)$ Range: $(-\infty,0)\cup(c,\infty)$
11	circle	$x^2+y^2=r^2$		Domain: $(-r+h, r+h)$ Range: $-r+k, r+k)$
12	sine	$f(x)=\sin(x)$		Domain: $(-\infty,\infty)$ Range: $(-1,1)$
13	cosine	$f(x)=\cos(x)$		Domain $(-\infty,\infty)$ Range $(1,-1)$
14	tangent	$f(x)=\tan(x)$ $=\frac{\sin(x)}{\cos(x)}$		Domain $(-\infty,\infty)$ except for $x=\frac{\pi}{2}+n\pi$ Range: $(-\infty,\infty)$