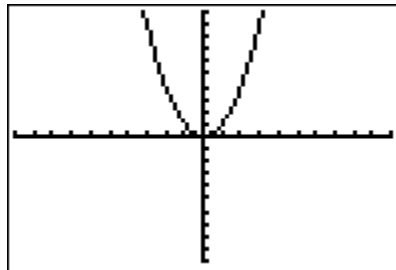


# Parent Functions

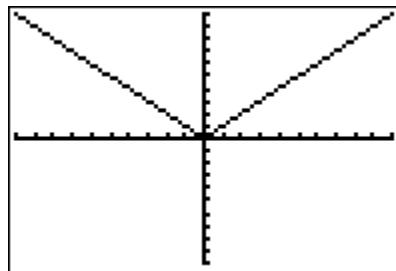
Quadratic

```
Plot1 Plot2 Plot3
Y1=X^2
Y2=
Y3=
Y4=
Y5=
Y6=
Y7=
```



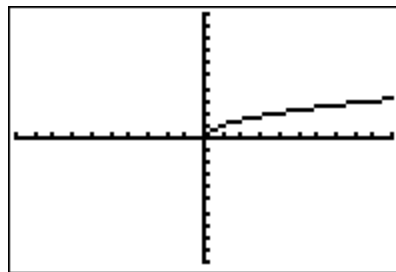
Absolute Value

```
Plot1 Plot2 Plot3
Y1=abs(X)
Y2=
Y3=
Y4=
Y5=
Y6=
Y7=
```



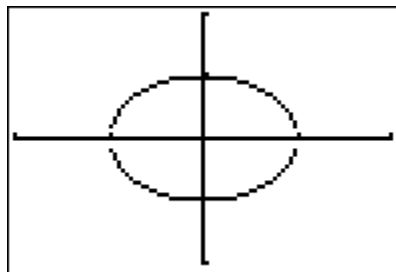
Square Root

```
Plot1 Plot2 Plot3
Y1=sqrt(X)
Y2=
Y3=
Y4=
Y5=
Y6=
Y7=
```



Circle

```
Plot1 Plot2 Plot3
Y1=sqrt(1-X^2)
Y2=-sqrt(1-X^2)
Y3=
Y4=
Y5=
Y6=
Y7=
```

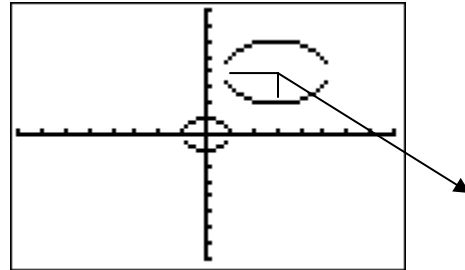


# Transformed Parent Functions:

Circle:

```

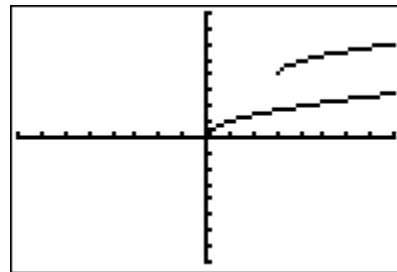
Plot1 Plot2 Plot3
\Y1=√(1-X²)
\Y2=-√(1-X²)
\Y3=2√(1-(X-3)²/5)+4
\Y4=-2√(1-(X-3)²/5)+4
\Y5=
    
```



Square Root:

```

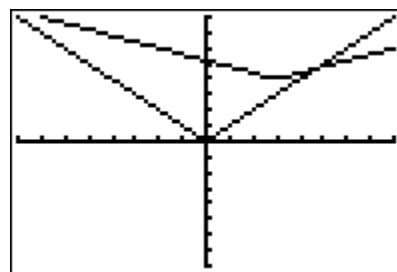
Plot1 Plot2 Plot3
\Y1=√(X)
\Y2=2√((X-3)/5)+4
\Y3=
\Y4=
\Y5=
\Y6=
    
```



Absolute Value:

```

Plot1 Plot2 Plot3
\Y1=abs(X)
\Y2=2abs((X-3)/5)+4
\Y3=
\Y4=
\Y5=
\Y6=
    
```



Quadratic:

```

Plot1 Plot2 Plot3
\Y1=X²
\Y2=2((X-3)²/5)+4
\Y3=
\Y4=
\Y5=
\Y6=
    
```

