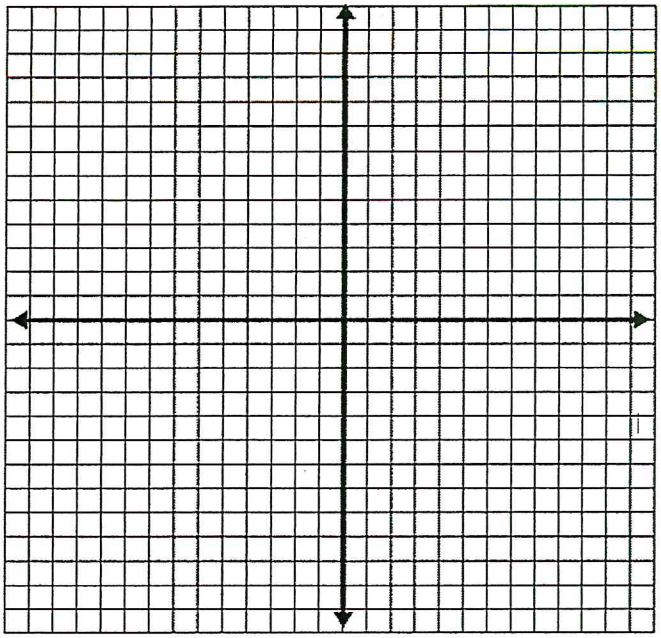
Linear
f(x)= x

Table of Values

choose two positive, two negative and zero for values of x

x	y

Sketch:



f(x)= x	
Domain (interval)	
Range (interval)	
Increasing (interval)	
Decreasing (interval	
Intercepts	
Asymptotes	
End behavior	
Symmetry	

Additional info:

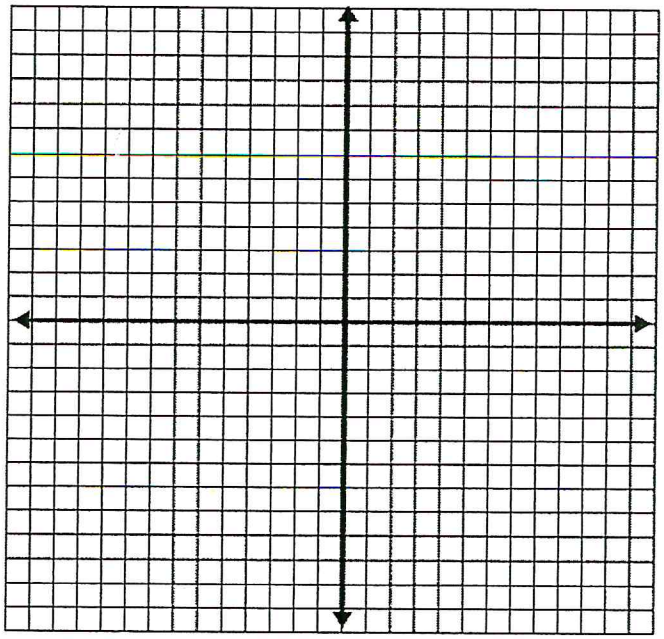
Absolute Value
f(x) = |x|

Table of Values

choose two positive, two negative and zero for values of x

x	y

Sketch:



f(x)= |x|	
Domain (interval)	
Range (interval)	
Increasing (interval)	
Decreasing (interval	
Intercepts	
Asymptotes	
End behavior	
Symmetry	

Additional info:

Polynomial (Quadratic)

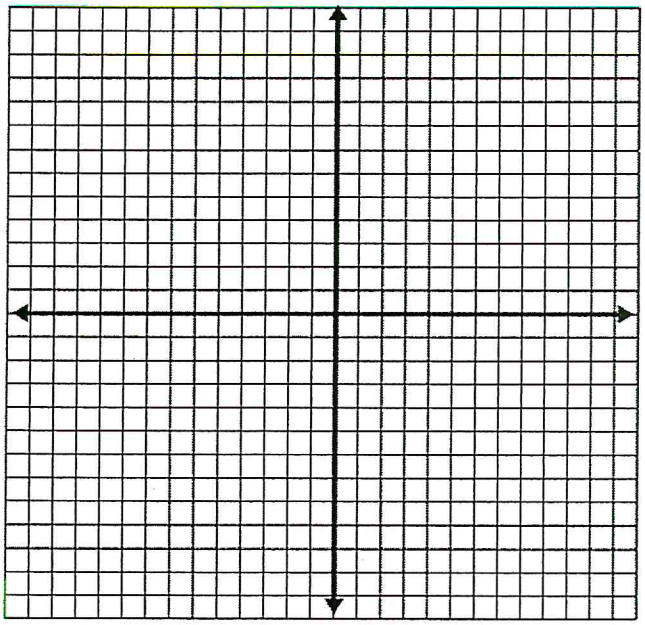
$f(x) = x^2$

Table of Values

choose two positive, two negative and zero for values of x

x	y

Sketch:



$f(x) = x^2$	
Domain (interval)	
Range (interval)	
Increasing (interval)	
Decreasing (interval	
Intercepts	
Asymptotes	
End behavior	
Symmetry	

Additional info:

Polynomial (Cubic)

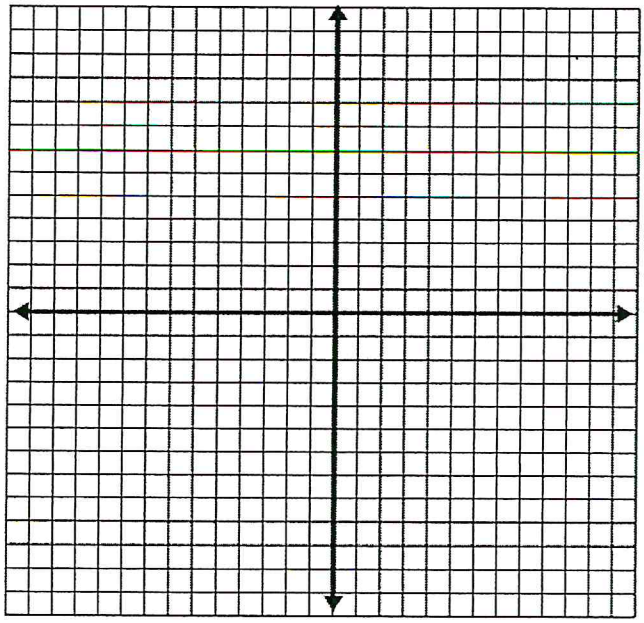
$f(x) = x^3$

Table of Values

choose two positive, two negative and zero for values of x

x	y

Sketch:



$f(x) = x^3$	
Domain (interval)	
Range (interval)	
Increasing (interval)	
Decreasing (interval	
Intercepts	
Asymptotes	
End behavior	
Symmetry	

Additional info:

Radical (Square Root)

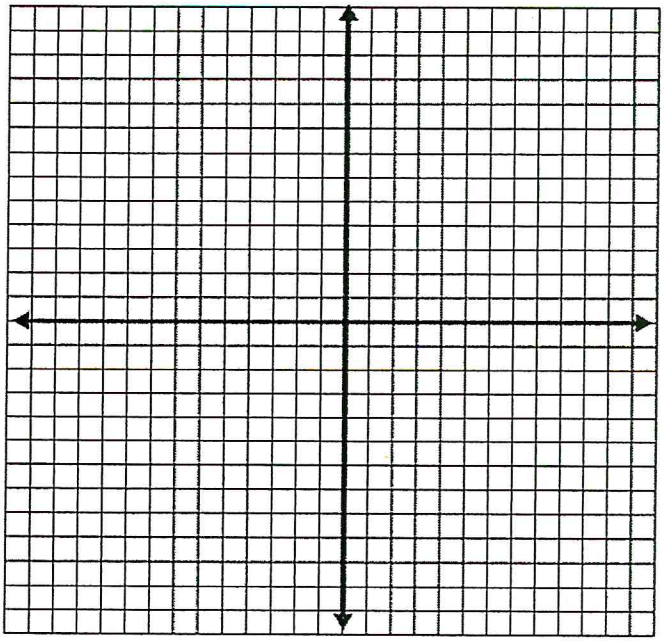
f(x) = $\sqrt{x}$

Table of Values

choose two positive, two negative and zero for values of x

x	y

Sketch:



f(x)= $\sqrt{x}$	
Domain (interval)	
Range (interval)	
Increasing (interval)	
Decreasing (interval	
Intercepts	
Asymptotes	
End behavior	
Symmetry	

Additional info:

Radical (Cubic Root)

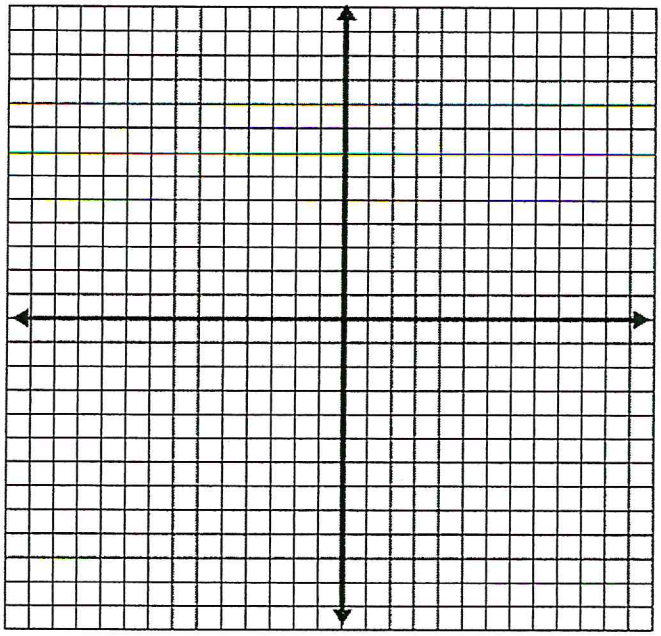
f (x) = $\sqrt[3]{x}$

Table of Values

choose two positive, two negative and zero for values of x

x	y

Sketch:



f(x)= $\sqrt[3]{x}$	
Domain (interval)	
Range (interval)	
Increasing (interval)	
Decreasing (interval	
Intercepts	
Asymptotes	
End behavior	
Symmetry	

Additional info:

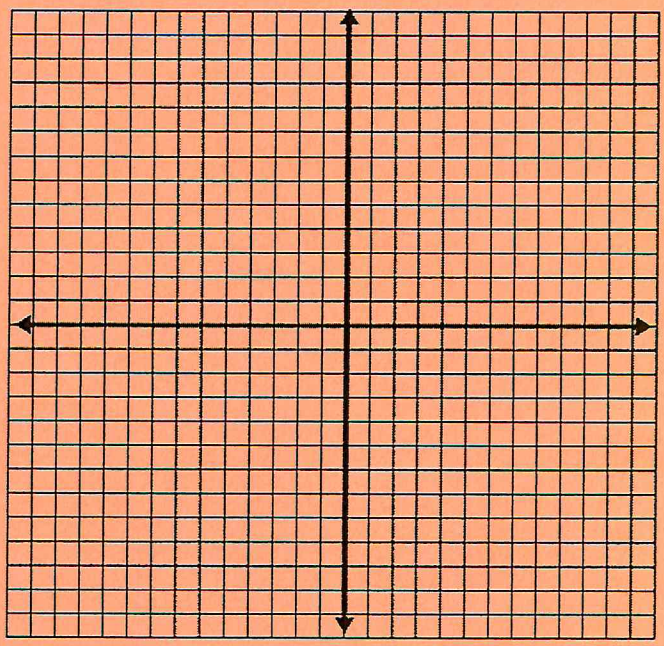
Exponential Growth
$f(x) = 2^x$

Table of Values

choose two positive, two negative and zero for values of x

x	y

Sketch:



$f(x)= 2^x$	
Domain (interval)	
Range (interval)	
Increasing (interval)	
Decreasing (interval	
Intercepts	
Asymptotes	
End behavior	
Symmetry	

Additional info:

Exponential Decay

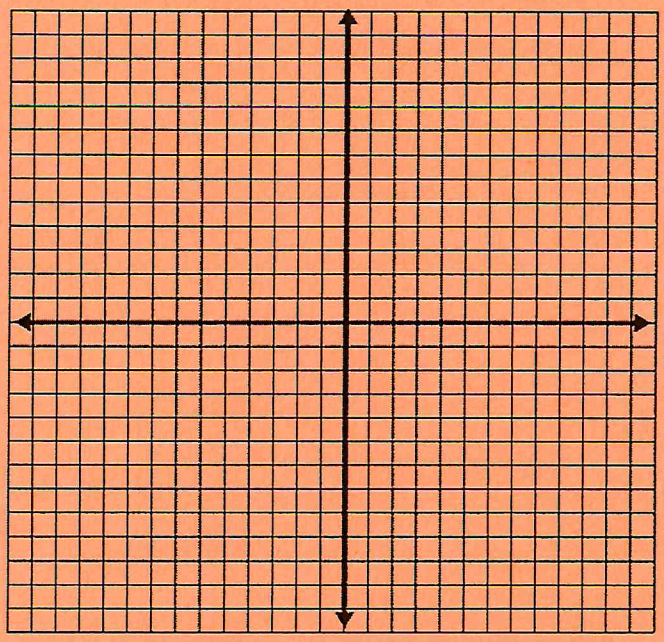
$f(x)=\left(\frac{1}{3}\right)^x$

Table of Values

choose two positive, two negative and zero for values of x

x	y

Sketch:



$f(x)=\left(\frac{1}{3}\right)^x$	
Domain (interval)	
Range (interval)	
Increasing (interval)	
Decreasing (interval	
Intercepts	
Asymptotes	
End behavior	
Symmetry	

Additional info: