Basic Toolkit of Functions
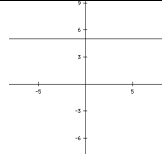
stant:

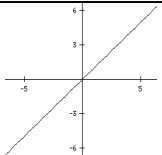$f(x) = a$

$y = a$

tity:

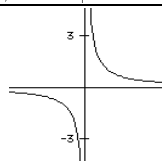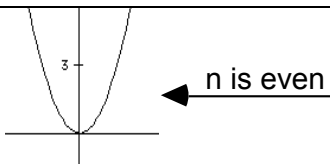$f(x) = x$

$y = x$

iprocal:

$f(x) = \dfrac{1}{x}$

$y = \dfrac{1}{x}$
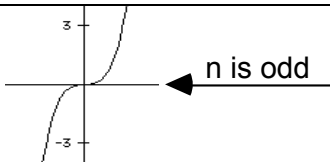
dratic:

$f(x) = x^2$

n is even

$y = x^2$
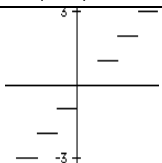
'er:

$f(x) = x^n$

n is even or odd

$y = x^n$

ic:

$f(x) = x^3$

n is odd

$y = x^3$

atest Integer:
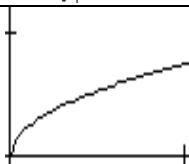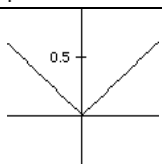
$f(x) = [x]$

$y = [x]$

are Root:

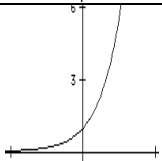$f(x) = \sqrt{x}$

$y = \sqrt{x}$
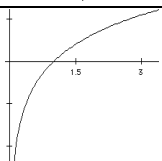
olute Value:

$f(x) = |x|$

$y = |x|$

onential:

$f(x) = a^x$

$y = a^x$

arithmic:

$f(x) = \log_a x$

$y = \log_a x$