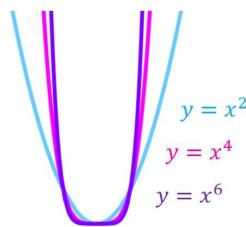


# Functions and Graphs Summary

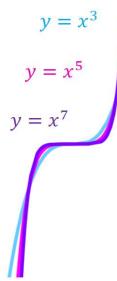
## Power Functions

Integer power function  $y = x^n$

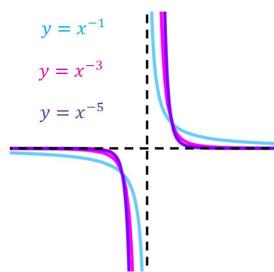
Even  $n \geq 1$



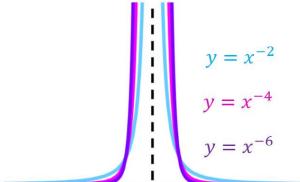
Odd  $n \geq 1$



Odd  $n \leq -1$

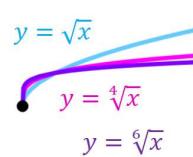


Even  $n \leq -1$

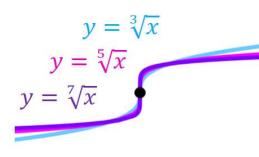


Root functions  $y = x^{\frac{1}{n}}$

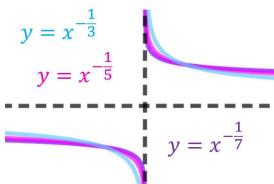
Even  $n \geq 1$



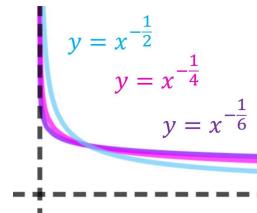
Odd  $n \geq 1$



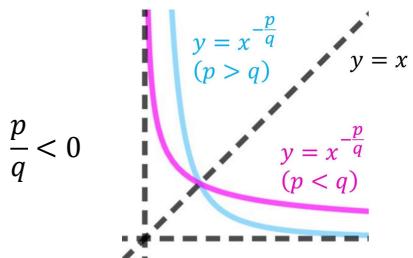
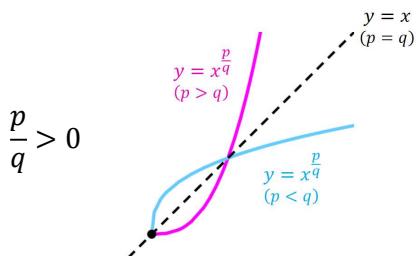
Odd  $n \leq -1$



Even  $n \leq -1$

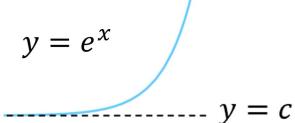


Rational power functions  $y = x^{\frac{p}{q}}$



## Exponential Functions

Exponential function

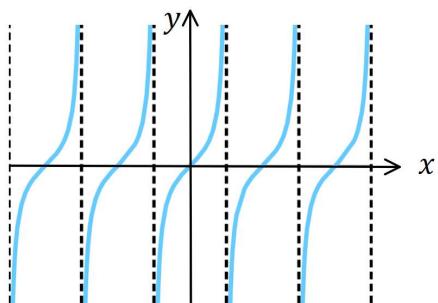


## Circular Functions

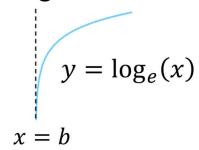
Sine function  $y = \sin(x)$



Tangent function  $y = \tan(x)$



Logarithmic function



Cosine function  $y = \cos(x)$



## Polynomials

Linear ( $x$ )



Quadratic ( $x^2$ )



Cubic ( $x^3$ )



( $x^3$ )

Quartic ( $x^4$ )

