Even vs Odd Functions

Even : Symmetrical to the y-axis.

Ex $y = x^2$

$y = (-x)^2$

$y = x^2$

$f(-x) = f(x)$

Ex $y = x^2$

$y = |x|$

$y = \cos x$

Odd : Symmetric about the Origin (spin 180°)

$f(-x) = -f(x)$

Ex $y = x + x^3$

$y = -x + (-x)^3$

$y = -x - x^3$

odd

Inverse Functions

Find the inverse of $y = 4x - 2$

Tables

Graphs

Equations

Find the inverse of $y = x^2+1$

3 rules of exponents

$x^a x^b = x^{a+b}$

$(x^a)^b = x^{ab}$

$(x^a)/(x^b) = x^{b-a}$

Solve

$2^t = 7$

$e^{2t} = 3$