■

# Examples

Even Polynomials [Plug in the opposite of $x$, or $(-x)$]

$f(x) = 1 - x^2$

$f(-x) = 1 - (-x)^2$

$f(x) = 1 - x^2$ ←

Take note of how the final solution matches the first. This means that the polynomial is **Even**.

Odd Polynomials

$f(x) = x^3$

$f(-x) = (-x)^3$

$f(X) = -x^3$

Remember that the equation for odd functions is $F(x) = F(-x)$