

Even function

An *even* function is a function $f(x)$ with the property that $f(-x) = f(x)$ for any value of x . The graph of $y = f(x)$ for an even function has reflectional symmetry about the y -axis.

Examples are $\cos x$ and x^2 .

Note that it is possible for a function to be neither even nor **odd**, for example $f(x) = 1 + 2x$.

