Odd function

An *odd 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 odd function has rotational symmetry about the origin.

Examples are $\sin x$ and x^3.

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

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