Even and Odd Functions, or Neither

Version 2

Name: _____   **Date**: _____   **Score**: _____

> **Direction:** Determine <mark>algebraically</mark> if the given function is even, odd or neither. Show all your work in the space provided.

1) $f(x) = \dfrac{x}{x^4 + 1}$

2) $f(x) = x\cos(x)$

3) $f(x) = x\sin(x)$

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> **Direction:** Determine <mark>algebraically</mark> if the given function is even, odd or neither. Show all your work in the space provided.

1) $f(x) = \dfrac{x}{x^4 + 1}$

Odd function

2) $f(x) = x\cos(x)$

Odd function

3) $f(x) = x\sin(x)$

Even function