

Name _____ Mods _____ Date _____
1-2: Even/Odd Functions, Precalculus Gallo

Test the following relations for symmetry about the coordinate axes and the origin.

1. $y = x^4$

2. $x = y^4 + 16$

3. $y = x^{-3}$

Determine whether the following functions are even, odd or neither.

4. $f(x) = -x^2 + 16$

5. $f(x) = x(x^2 + 2)$

6. $f(x) = x(x^3 + 2x)$

7. $f(x) = \frac{x^2}{2} + |x|^3$

8. $f(x) = 6x^4 + 7x^2$

9. $f(x) = \frac{|x|}{x^2+1}$