

# 1.5B Even and Odd Polynomials

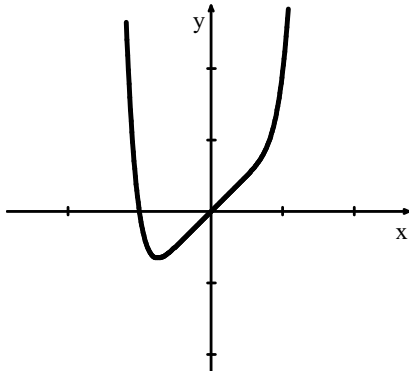
AP Precalculus

Name: \_\_\_\_\_

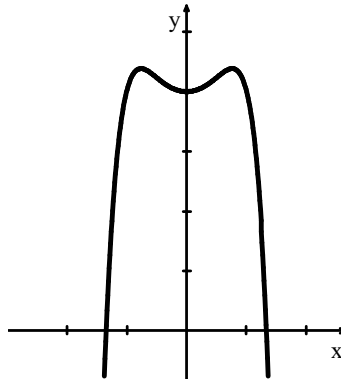
**CA #2**

**State whether the following graphs represent functions that are even, odd, or neither.**

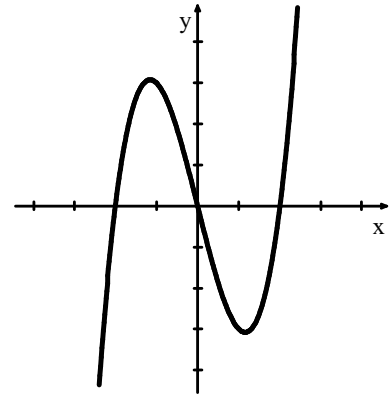
1.



2.



3.



**State if the following functions are even, odd, or neither.**

4.  $f(x) = x^3 - 2x^5$

5.  $f(x) = 1 - 2x^5$

6.  $f(x) = x^{10} - 7x^2 + 3$

7.  $f(x) = 6x^9 + x^3 - 2x$

8.  $f(x) = 6 - 3x^2 + x^4$

5. neither	6. even, $f(-x) = f(x)$	7. odd, $f(-x) = -f(x)$	8. even, $f(-x) = f(x)$
1. neither	2. even, $f(-x) = f(x)$	3. odd, $f(-x) = -f(x)$	4. odd, $f(-x) = -f(x)$

Answers to 1.5B CA #2