Even and Odd Practice Worksheet

Name_____ Class Period_____
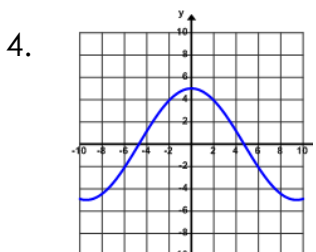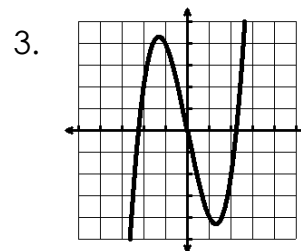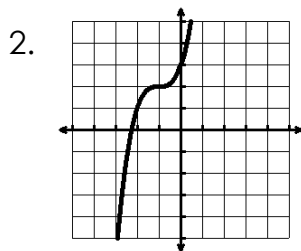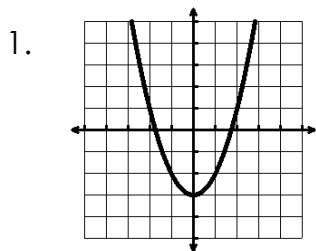
Tell whether the function is even, odd, or neither.

1.

2.

3.

4.

5.

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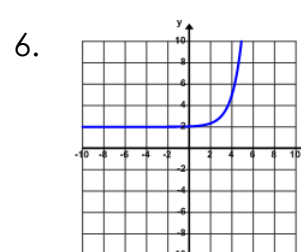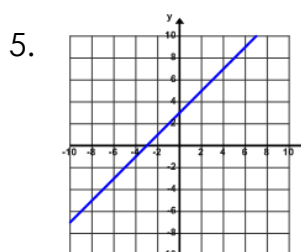
7. $f(x) = x^3 - x^2$

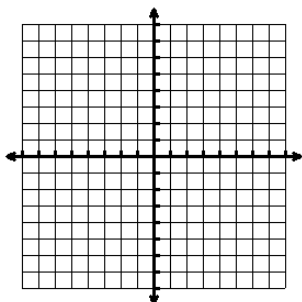8. $f(x) = -x^3 + 2x$

9. $f(x) = x^3 + 4x + 1$

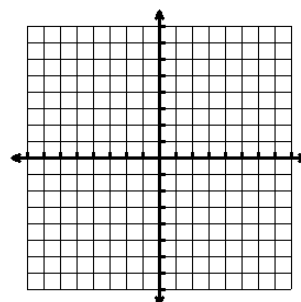10. $f(x) = \dfrac{1}{2}x^4 + 9$

11. $f(x) = 5x + 1$

12. $f(x) = 5$

Think about:

13. Can a linear function ever be even or odd? If so, sketch an example.

14. Can an exponential function ever be even or odd? If so, sketch an example.

15. If the following points are on an **odd** function, what other points are on the function? Give the coordinates.