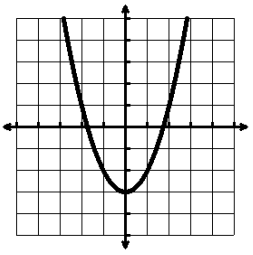
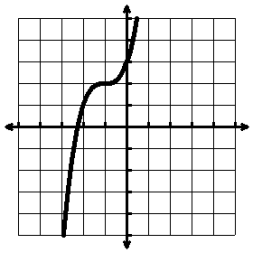
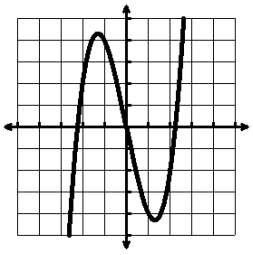
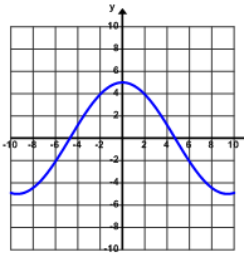
Name: _____ Date: _____

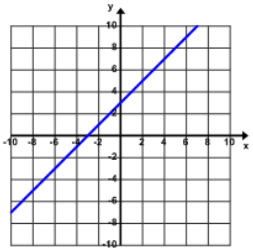
Tell whether the function is even, odd, or neither.

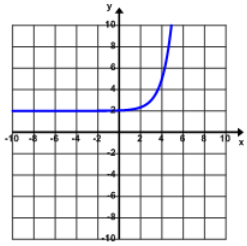
1. 

2. 

3. 

4. 

5. 

6. 

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

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

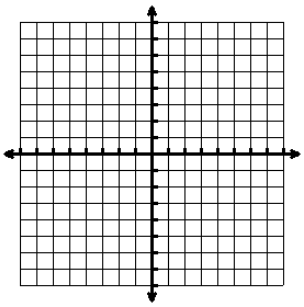
9. $f(x) = x^3 + 4x + 1$

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

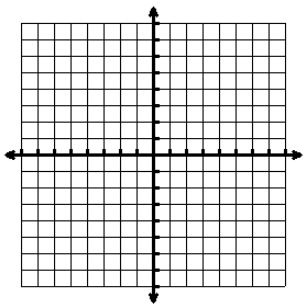
11. $f(x) = 5x + 1$

12. $f(x) = 5$

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.