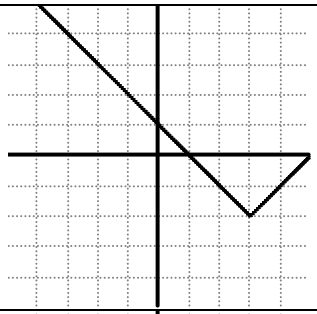
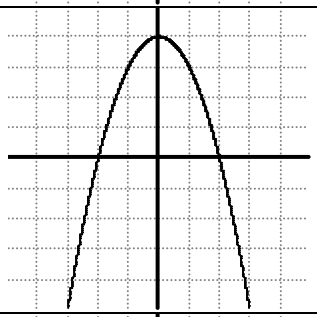
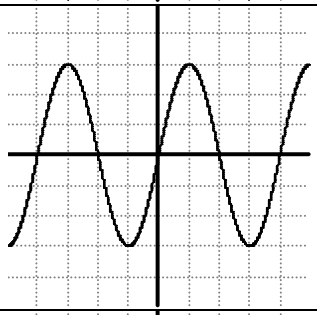
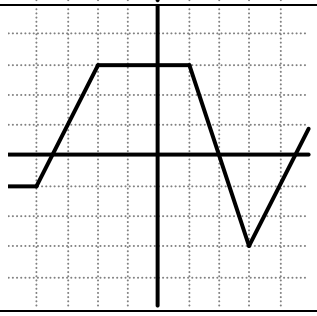
Homework #11 – Reflecting Functions Name:
September 23, 2011 - Precalculus (Oberle)

FROM THE BOOK: p 136/1-4

For each of the following problems, the graph of a function *f* is given. Use the other grids to graph the reflections of that function.

	$y = f(x)$	$y = f(-x)$	$y = -f(x)$	$y = -f(-x)$
1.				
2.				
3.				
4.				

5. A function is said to be *even* if $f(-x) = f(x)$.
   a. Which of the functions above (in #1-4) is even?
   b. What kind of symmetry does an even function have?

6. A function is said to be *odd* if $f(-x) = -f(x)$.
   a. Which of the functions above (in #1-4) is odd?
   b. What kind of symmetry does an odd function have?