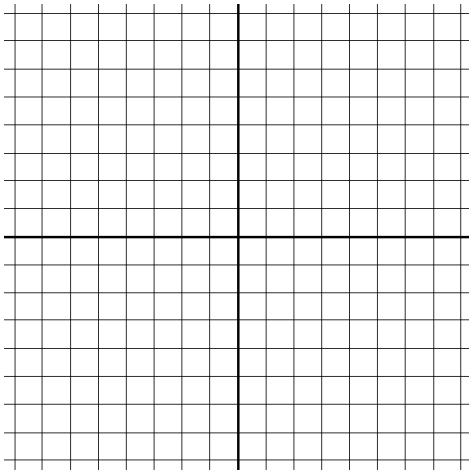


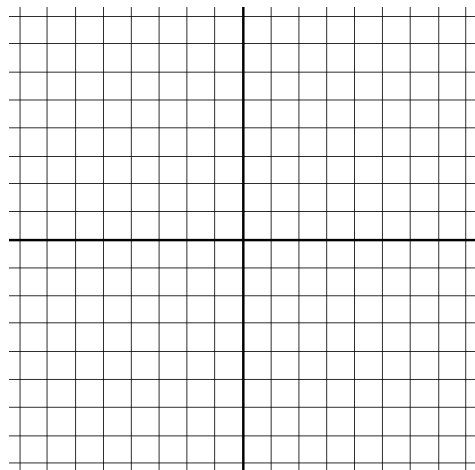
Changes in Graphs and Even vs. Odd Functions

For each of the problems, graph the function and describe the transformations.

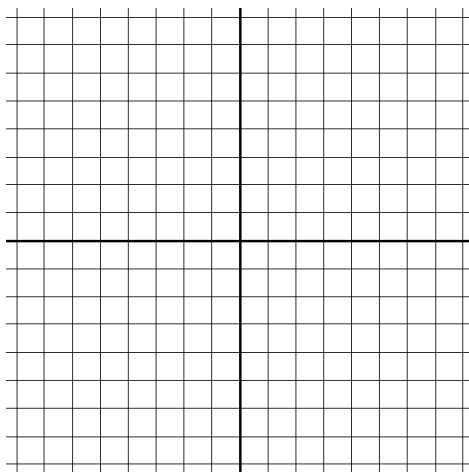
1. $f(x) = 2x^3 - 3$



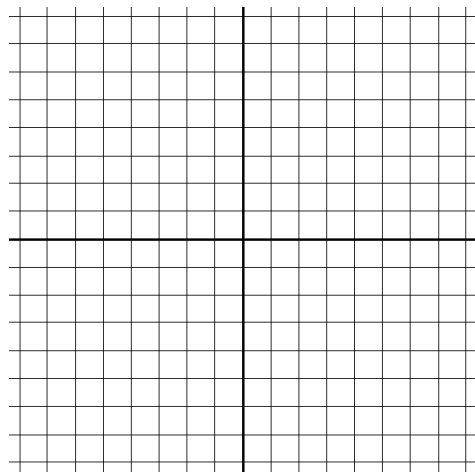
2. $f(x) = -|x + 3|$



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



4. $f(x) = \sqrt{x + 1} + 2$



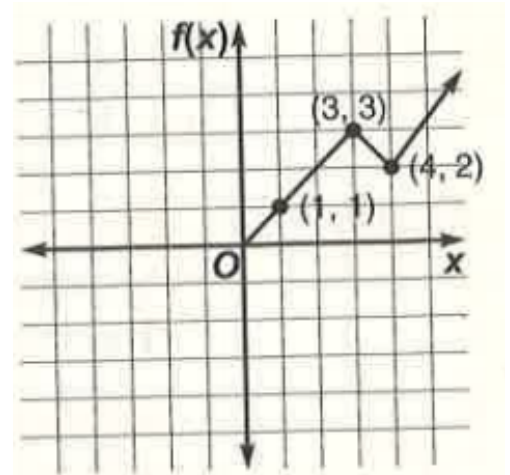
5. Determine if the graph of the equation is even, odd or neither.

a) $y = \frac{1}{x^2}$

b) $\frac{x}{x^2(x^5+x)}$

c) $y = x^3 - 1$

6. Complete the graph so that it is an odd function.



7. Complete the graph so that it is an even function.

