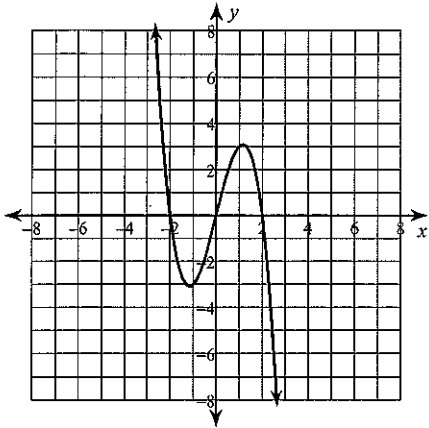


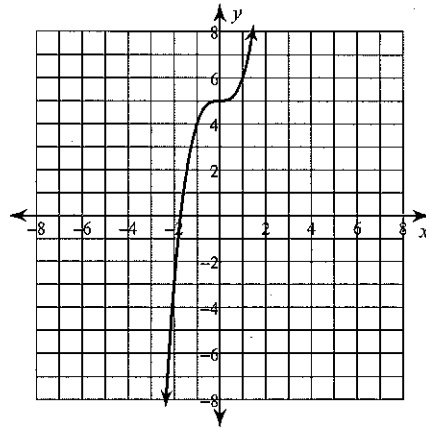
WS 7.1/7.2 Odd & Even Functions

Determine if the function is odd, even or neither from the graph.

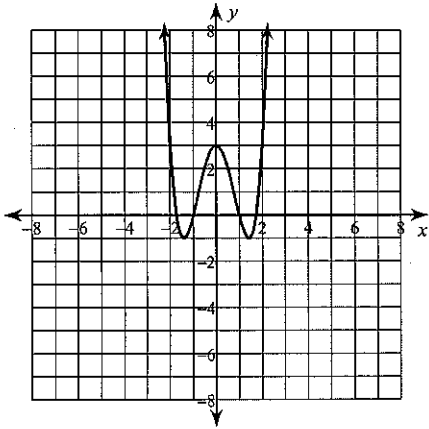
1)



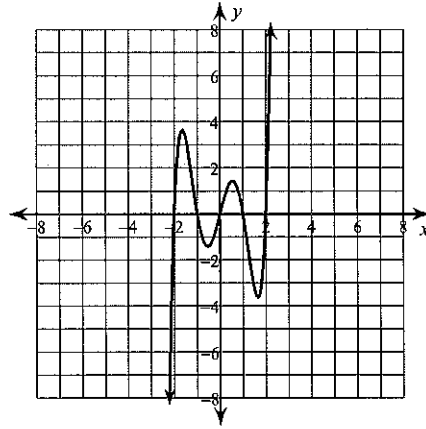
2)



3)



4)



Determine if the function is odd, even or neither algebraically.

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

6) $f(x) = -5x^4 - 4x^3 + 3x^2 - 1$

7) $f(x) = -6x^5 + 3x^3 + 7x$

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

9) $f(x) = x(x + 1)(x - 1)$

10) $f(x) = -x^2(x - 5)(x + 5)$