**Objective**: To identify if a function is even, odd, or neither

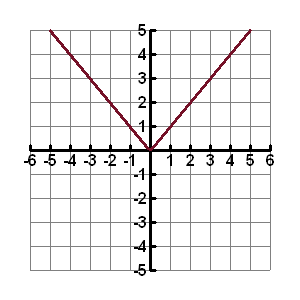
**Link to article read in class:** <http://www.bbc.co.uk/news/magazine-20559052>

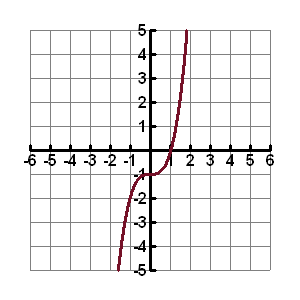
**Tell whether the function is even, odd, or neither.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Algebraically** | | **Graphically** |
| **Function** | **When…** | **The exponents are…** | **Graph is symmetric about…** |
| Even |  |  |  |
| Odd |  |  |  |
| Neither | Neither even or odd |  |  |

***Beware of constants:*** *All constants really have a \_\_\_\_\_\_\_\_\_\_\_\_ and zero is \_\_\_\_\_\_\_\_\_\_\_\_.*

**Determine if the following are even, odd, or neither.**





5a. 5b.

6a.

6b.

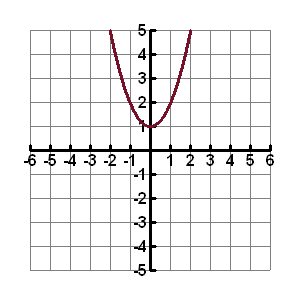
6c.

7a.

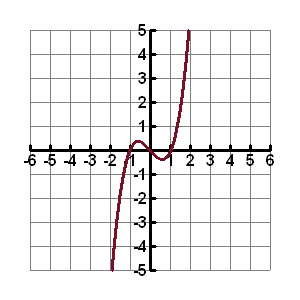
7b.

7c.

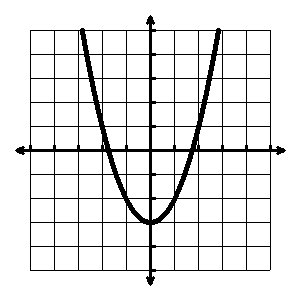
8a.



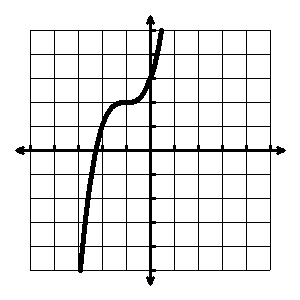
8b.



9a.



9b.



9c.

