IB Pre HL

Warm Up

Evaluate and simplify if  and 

1.  2. 3. 

4. Do these polynomials have even or odd degree?

a. b. c.

2D Composition of Functions

 and 

5. Find 

6. Find 

The domain of a composition may be restricted by the “inside” function.

7. Write the domain for  if  and .

2E Even and Odd Functions

|  |  |  |
| --- | --- | --- |
| **Even Functions** have reflection symmetry about the \_\_\_\_\_\_\_\_\_\_\_. |  | **Odd Functions** have rotational symmetry about the \_\_\_\_\_\_\_\_\_\_\_\_. |

Test for even and odd functions: Simplify  and compare with .

  

Is the function even, odd, or neither?

8.  9. 