**Pre-Calculus 12: Operations of Functions Practice- Composition of Functions**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Consider the functions and . Determine the value of the following.

a. 

b. 

2. Consider the functions and , write the following functions.

a.  b. 

3. a. Consider the functions and , write the following functions.

i.  ii. 

b. State the domain and range for  and 

4. Use the table of values to answer this question.

|  |  |  |
| --- | --- | --- |
|  |  |  |
| -1 | 2 | 5 |
| 2 | -1 | 3 |
| 5 | 7 | 8 |
| 7 | 2 | 9 |

a. 

b. 

c. 

5. If , determine *.*

a.  and 

b.  and 

6. Use the graph to find each value.



a. 

b. 

c. 