Applying Function Composition

# Inverse Functions

 and  are inverse functions if and only if  **and** .

# Verifying Inverses

Determine if each pair of functions are inverses. Write *yes* or *no*.

1)   
 

2)   
 

3)   
 

# Extending Your Knowledge

Use the given information below to perform the indicated operations.

## **Given**

|  |  |
| --- | --- |
|  |  |
|  |

4) 

5) 

6) 

7) 