FUNCTION NOTATION

|  |  |
| --- | --- |
| **Algebraic (How to Write It)** | **Verbal (How to Read/Say It)** |
|  | *“ f* of *g* of *x ”* |

# Making Observations

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | *A graph of a function  Description automatically generated* |

Find the following using the given functions above.

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

# Verbalizing Observations

# Applying Observations

# *Use your generalization to answer the question below.*

Given functions  and , what is the value of ?

**(A)** –124

**(D)** 1

**(B)** –26

**(E)** 118

**(C)** –2

FUNCTION NOTATION

|  |  |
| --- | --- |
| **Algebraic (How to Write It)** | **Verbal (How to Read/Say It)** |
|  | *“ the sum/difference of f* and *g ”* |
|  | *“ f* of *x* times *g* of *x ”* |

# Making Observations

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

Find the following using the given functions above.

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

# Verbalizing Observations

# Applying Observations

# *Use your generalization to answer the question below.*

Let the polynomial functions  and  be defined as  and . Let . What are all the values of  for which ?

**(F)** 

**(J)** 

**(G)** 

**(K)** 

**(H)** 