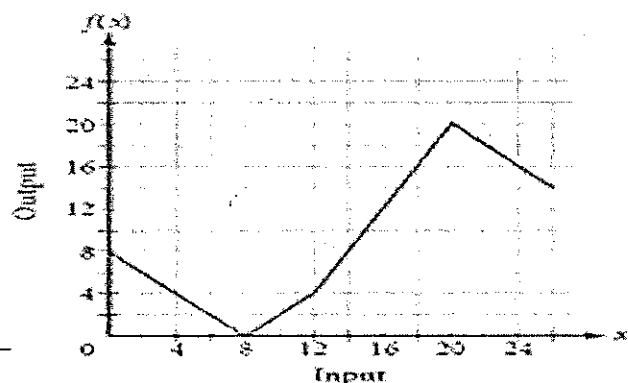


Chapter 7 Section 4 Function Notation Investigation

In this investigation you will apply function notation to learn the identity of the mathematician who introduced functions.

This is the graph you need to use for the investigation:



Step One: describe the domain and range of the function f in the graph:

Step Two: use the graph to find each function value in the table. Then do the indicated operations.

$F(3)$	
$F(18) + F(3)$	
$F(5) * F(4)$	
$F(15)/F(6)$	
$F(20) - F(10)$	

Step Three: use the rules of orders of operations to evaluate these expressions that involve function values. Write your answers in the table.

$F(0) + F(1) - 3$	
$5 * F(9)$	
X when $F(X) = 10$	
$F(8 + 9)$	
X when $F(X) = 0$	
$F(8 * 3) - 5 * F(11)$	
$F(4 * 5 - 1)$	
$F(12)$	

Step Four: think of the numbers 1 - 26 as the letters A to Z. Find the letters that match you answers to Step Two to learn the mathematician's last name. Find the letters that match your answers in Step Three to discover the first name.

(Last Name) _____

(First) _____