Evaluating Functions - Pre-5

Topic: Evaluating Functions

Date:

Main Ideas:	Assignment:
	The common notation of a function is usually written as,
	$oldsymbol{f}(oldsymbol{x})$ – this does not mean the multiplication of f and x
Runction Notation	It is read as f is a function of $xorf$ is some expression involving the variable x
	Functions can also be written in different ways using other variables such as: g(x), h(x), and k(x)
	In addition, functions may take other input values other than x . f(a), h(r), and k(m)
Main Focus	The key idea is always remember that the variable outside the parenthesis is the "name" of the function (also known as the output value), while the variable inside the parenthesis is the input value of the function. Output value $Function k$ $k(m) = m^2 + m - 8$
	Input value or in term s of m
>	To evaluate a function is to: REPLACE (substitute) the defined variable with the given number or expression. Examples:
Functions	Given: $h(t) = t - 2 + 3$; find $h(6)$ Given: $g(a) = 3^{3a-2}$; find $g(1)$
Evaluating Fun	Given: $k(m) = m^3 - 5m^2$; find $k(-4)$ Given: $f(n) = n^2 - 2n$; find $f(n^2)$

