

Check for Mistakes in this Word Problem: calc-pencils

Directions: All students are given five (5) pencils at the beginning of the school year. Write a function called calc-pencils that takes the number of students in the school and calculates the number of pencils needed for that school.

Contract and Purpose Statement

Every contract has three parts...

;

calc-pencils	:	number	→	number
function name		domain	range	
; Takes a number of students and gives the number of pencils				
what does the function do?				

Examples

Write some examples, then circle and label what changes...

(EXAMPLE(

calc-pencils	100)	(*	100	5))
function name	input(s)	what the function produces				
(EXAMPLE(40)	(*	40	6))
function name	input(s)	what the function produces				

Definition

Write the definition, given variable names to all your input values...

(define (calculate-pencil

function name	p)
variables		
(* p 5)		
what the function does with those variables		