Check for Mistakes in this Word Problem: check-total

Directions: *It is customary to tip 20% on a bill at a restaurant. Write a function that takes the total cost of the food and returns the new total including tip.*

Contract and Purpose Statement ☐

Every contract has three parts...

; check-total : number → number
   function name *domain* *range*

; Returns the total of a check with 20% of the cost added
   what does the function do?

Examples ☐

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

(EXAMPLE((total 20)) (20 (+ (0.2 * 20) 20)))
   function name *input(s)* *what the function produces*

(EXAMPLE((total 56.67))
   function name *input(s)*

(56.67 (+ (0.2 * 56.67) 56.67)))
   what the function produces

Definition ☐

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

(define(check-total food-total)
   function name *variables*

(* (+ 0.2 food-total) food-total))
   what the function does with those variables