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    -> number

  function name     domain     range

; Returns the total of a check with 20% of the cost added

**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)          what the function produces

(EXAMPLE (56.67 (+ (0.2 * 56.67) 56.67)) )

  function name    input(s)          what the function produces

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

(define (check-total food-total) (* (+ 0.2 food-total) food-total) )

  function name    variables          what the function does with those variables