**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 ...

<table>
<thead>
<tr>
<th>Function Name: check-total</th>
<th>Domain: number</th>
<th>Range: number</th>
</tr>
</thead>
<tbody>
<tr>
<td>; Returns the total of a check with 20% of the cost added</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Examples**

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

(EXAMPLE( (total 20) ) (20 (+ (0.2 * 20) 20)) )

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

**Definition**

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

(define( check-total food-total )

(define( check-total food-total )

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

what the function does with those variables