Word Problem: cost

Directions: Use the Design Recipe to write a function `cost`, which takes in the number of glasses sold and calculates the total cost of materials if each glass costs $.30 to make.

Contract and Purpose Statement

Every contract has three parts...

; cost : Number -> Number

    function name   *domain*   *range*

; Consumes a Number of glasses sold and produces the cost

        what does the function do?

Examples

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

(EXAMPLE (cost   1   ) (* 0.3 1)   )

    function name   *input(s)*   *what the function produces*

(EXAMPLE (cost   5   ) (* 0.3 5)   )

    function name   *input(s)*   *what the function produces*

Definition

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

(define (cost   glasses   )

    function name   *variable(s)*

  (* 0.3 glasses)   )

    what the function does with those variable(s)