

Word Problem: profit

Directions : Use the Design Recipe to write a function `profit` that calculates total profit from glasses sold, which is computed by subtracting the total cost from the total revenue.

Contract and Purpose Statement

Every contract has three parts...

`profit` : Number -> Number
function name *domain* *range*

; Consumes a Number of glasses sold and produces the profit
what does the function do?

Examples

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

(EXAMPLE (`profit` 1) (- (revenue 1) (cost 1)))
function name *input(s)* *what the function produces*

(EXAMPLE (`profit` 5) (- (revenue 5) (cost 5)))
function name *input(s)* *what the function produces*

Definition

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

(define (`profit` glasses)
function name *variable(s)*
(- (revenue glasses) (cost glasses)))
what the function does with those variable(s)