The Design Recipe

Directions: Getting a gym membership costs $150, and then there's a $45/month fee after that. Write a function `globo-gym` that takes in a number of months and produces the cost of a membership for that many months.

Contract and Purpose Statement

Every contract has three parts…

; _____ : _____ -> _____
function name *domain* *range*

; _____
what does the function do?

Examples

Write some examples, then circle and label what changes…

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

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

Definition

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

(define (_____ _____)
function name *variable(s)*

_____)
what the function does with those variable(s)

Directions: The cost of a ride is a starting price of $2.50, plus $1.50/mile. Write a function `rideshare`, that takes in a number of miles and produces the cost of that right.

Contract and Purpose Statement

Every contract has three parts…

; _____ : _____ -> _____
function name *domain* *range*

; _____
what does the function do?

Examples

Write some examples, then circle and label what changes…

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

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

Definition

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

(define (_____ _____)
function name *variable(s)*

_____)
what the function does with those variable(s)