

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...

The diagram illustrates the components of a function signature. It consists of three horizontal lines. The top line is labeled 'function name' on the left, 'domain' in the middle, and 'range' on the right. A colon ':' is positioned at the end of the 'function name' line, and an arrow '-'> is positioned at the end of the 'range' line. Below the 'function name' line is a semicolon ';'. Below the 'domain' line is a horizontal line with the text 'what does the function do?' centered underneath it.

Examples □

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

(EXAMPLE ())

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

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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 ride.

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

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