The Design Recipe

Directions : Write a function `rect-perimeter` that takes in the length and width of a rectangle and returns the perimeter of that rectangle.

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...

examples:

_____ (_____) **is** _____

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

_____ (_____) **is** _____

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

end

Definition

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

fun _____ (_____) **:**

    function name   *variable(s)*

_____

      what the function does with those variable(s)

end

Directions : Write a function `rectprism-vol` that takes in the length, width, and height of a rectangular prism and returns the Volume of a rectangular prism.

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...

examples:

_____ (_____) **is** _____

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

_____ (_____) **is** _____

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

end

Definition

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

fun _____ (_____) **:**

    function name   *variable(s)*

_____

      what the function does with those variable(s)

end