

**Word Problem: red-square**

**Directions:** Use the Design Recipe to write a function 'red-square', which takes in a number (the size of the square) and outputs a solid red rectangle whose length and width are the same size.

## Contract and Purpose Statement

*Every contract has three parts ...*

Diagram illustrating the components of a function signature:

- function name**: The identifier of the function (represented by the box containing `MMMMMMMMMMM`).
- domain**: The input type or set of values (represented by the box containing `_____`).
- range**: The output type or set of values (represented by the box containing `_____`).

*what does the function do?*

## Examples

*Write some examples of your function in action...*

(EXAMPLE (	MMMMMMMMMMM	)
	<i>function name</i>	<i>input(s)</i>

what the function does with those inputs

(EXAMPLE ( MMMMMMMMMM                      )

*function name*                      *input(s)*

what the function does with those inputs

### Definition

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

```
(define ( MMMMMMMMMM                      )
```

*function name*
*variables*

what the function does with those variables