

## Design Recipe

### Word Problem: *red-square*

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.

#### I. Contract+Purpose Statement

Every contract has three parts:

;  
Name Domain Range  
;  
What does the function do?

#### II. Give Examples

On the computer, write an example of your function in action, using EXAMPLE

(EXAMPLE ( the user says... )

)  
.....Racket replies

(EXAMPLE ( the user says... )

)  
.....Racket turns that into

#### III. Definition

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

(define ( function name variable names )

)  
.....and the computer does this