

Design Recipe

Word Problem: red-shape

Write a function called red-shape, which takes in the name of a shape (“circle”, “triangle”, “star” or “rectangle”), and draws that shape. All shapes should be solid and red, and can be whatever size you choose

I. Contract+Purpose Statement

$$; \text{ name} : \text{ Domain} \rightarrow \text{Range}$$

II. Give Examples

Write some examples of red-shape below. The first one has already been done for you.

QUESTION	ANSWER
(EXAMPLE <u>(red-shape "circle")</u> Use the function here)	<u>(circle 50 "solid" "red")</u> What should the function produce?

(EXAMPLE (_____) _____)
Use the function here What should the function produce?

(EXAMPLE (_____) _____)

Use the function here What should the function produce?

(EXAMPLE (_____) _____)

Use the function here What should the function produce?

III. Definition

(define (_____)
 _____)

function name variable names

(cond

(circle 50 “solid” “red”)