

Design Recipe

Word Problem: distance

Write a function distance, which takes **FOUR** inputs:

- ☐ *px: The x-coordinate of the player*
- ☐ *py: The y-coordinate of the player*
- ☐ *cx: The x-coordinate of another game character*
- ☐ *cy: The y-coordinate of another game character*

It should return the distance between the two, using the Distance formula. (HINT: look at what you did on page 27!)

I. Contract+Purpose Statement

;
name : Domain -> Range

;
What does the function do?

II. Give Examples

(EXAMPLE ()
Use the function here

()
find another way to get the same result here

(EXAMPLE ()
Use the function here...

()
find another way to get the same result here

III. Definition

(define ()
function name variable names

()