

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

_____)