Design Recipe

Word Problem: distance

Write a function <u>distance</u>, 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

_____)