Word Problem: distance

Directions: *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 the previous page!)

Contract and Purpose Statement

Every contract has three parts...

; _____ : _____ → _____

function name *domain* *range*

; _____

what does the function do?

Examples

Write some examples, then circle and label what changes...

(**EXAMPLE**(_____ _____)

function name *input(s)*

_____)

what the function produces

(**EXAMPLE**(_____ _____)

function name *input(s)*

_____)

what the function produces

Definition

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

(**define**(_____ _____)

function name *variables*

_____)

what the function does with these variables