Name: _____ Date: _____ Per: _____

distance (word problem)

Code.org Computer Science in Algebra

Description: 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 use the Distance formula to return the distance between both points.

Contract and Purpose Statement

Every contract has three parts...

_____ : _____ -> _____

function name | domain | range

_____

what does the function do?

Examples

Write some examples for your function in action...

Example: _____ (_____) = _____

function name | input(s) | what the function produces

Example: _____ (_____) = _____

function name | input(s) | what the function produces

Definition

Write the definition, giving variable names to all your input values

Define: _____ (_____) =

function name | variables

_____

what the function does with those variables