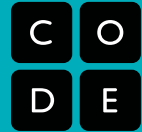# word problem
distance

Code.org CS in Algebra - Stage 20

C O D E

Directions: Write a function 'distance', which 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