Word Problem: distance

Directions: Use the Design Recipe to write a function distance, which takes in FOUR inputs: px and py (the x- and y-coordinate of the Player) and cx and cy (the x- and y-coordinates of another character). coordinates of two objects and produces the distance between them in pixels.

Conti	Contract and Purpose Statement														Г		
Every co	Every contract has three parts																
#	distance::			Num	ber,	N	umbe	er, M	Number,	١	Number			->	Number		
j	function name					domair	ı					range					
# Take	s in two sets o	of (x,y)	coordii	nates	and	pro	duce	es the	distance	e b	oetween	them					
	what does the function do?																
Exam	ples															Г	
Write so	ome examples, then c	circle and l	abel who	at char	nges												
examp	oles:																
	distance	(0	, 4,	3,	0)	is	num-	-sqrt(n	um:	-sqr(4	- 0)	+ 1	num-s	qr(0 - 3))		
function name input(s) what the function production								on produ	ces		-						
								num-	-sqrt(n	um-	-sqr(30) - 1) +	num-s	sqr(24 -		
	distance	(1,	30,	32,	24)	is	32))								
en d	function name	input(s)							what the function produces								
Defin	nition																
Write the definition, giving variable names to all your input values																	
fun	distanc	e(x1,	y1,	x2,	y2)	:											
_	function name	<u> </u>	variabl	le(s)													
num	n-sqrt(num-sq	r(x2	- x1) +	num	-sq	ır(y	2 -	y1))								

what the function does with those variable(s)

end