### 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...

<table>
<thead>
<tr>
<th>function name</th>
<th>domain</th>
<th>range</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>distance</code></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

what does the function do?

### Examples

Write some examples for your function in action...

**Example:** ________________ ( _______________ ) =  ______________________________

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

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- function name
- input(s)
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### Definition

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

**Define:** ________________ ( _______________ ) =

- function name
- variables

what the function does with those variables