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.

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…

examples:

_____ (_____) **is** _____
  function name   *input(s)*   *what the function produces*

_____ (_____) **is** _____
  function name   *input(s)*   *what the function produces*

end

Definition

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

fun _____ (_____)**:**
      function name   *variable(s)*

_____
                    what the function does with those variable(s)

end