Pseudocode for Function1.java extends Function

* answerString(double, double, double, double) method
  + Return the minimum time, minimum running distance, and minimum swimming distance as a string
* fnValue(double) method
  + Check if x is less than or equal to 0, which it shouldn’t be because x is time and time is not negative.
    - If it is, return the max possible value for a double
    - If it’s not, return the minimized function: return (x / 8) + ((sqrt((6 – x) ^ 2 + 4)) / 3)
* getXVal(double) method
  + Return x because it’s just the regular x value
* getYVal(double) method
  + Return sqrt((6-x)^2 + 4) because that’s how you get the time spent swimming
* getZVal(double) method
  + Return 0 as it’s unused.
* toString() method
  + Return a description of the problem you are solving, so for this minimizing the amount of time it will take to get to the island

Test plan:

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| **Test Case #** | **Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Left extent: 0  Right extent: 6 | Time: 1.37 hours  Swim Distance:  2.16 mi  Run Distance:  5.19mi |  |  |
| 2 | Left Extent: 0  Right Extent: 10 | Time: 1.37 hours  Swim Distance:  2.15mi  Run Distance:  5.20 miles |  |  |
| 3 | Left Extent: 0  Right Extent: 3 | Time: 1.58  Swim Distance:  3.61  Run Distance:  2.99 |  |  |