AP Review Project

Goal: The goal of this project is to refresh on previous material and see where you are on the curriculum spectrum. This is a more open-ended prompt in that when you're working on it, feel free to split off and learn other topics or review earlier topics more.

1. Classes & Methods
    a. Make your own personal Math class.
    b. This class should include the following methods
        i. Abs
        ii. Max
        iii. Min
        iv. Pow
        v. Sqrt
        vi. Avg
        vii. Random
    c. If you want to add any other methods, feel free to make more
        i. Helper functions are welcome as well
2. Loops & Arrays
    a. In your main file, create an array of 1000 random numbers.
        i. On each of these numbers, complete the Pow and Sqrt function
        ii. Store those values in two separate arrays
        iii. Then compute the average, min, and max of all of the numbers.
    b. If you're feeling ambitious, try doing this on a 100 by 100 2D array.
3. Inheritance
    a. Create a inherited class that inherits math
    b. Recreate each function but add toString to each of the functions more than just returning values.
4. Arraylists
    a. Do this entire problem with ArrayLists instead.