Write a complete C++ program, including at least one good comment at the top, to do the following: Your program will compute values of a formula that expresses y in terms of x. The formula is:

\[
y = \frac{x^3 - 3x + 108}{(13x^2 + 1)^{1/2} + 6 \cdot |x - 2.5|}
\]

| | means absolute value; \((...)^{1/2}\) means square root

You should use library functions for square root and absolute value.

1. The program should start by printing a message giving your name and saying this is the output of your second program.

2. Then your program should evaluate the formula shown above, starting with \(x = -2\), going up by 1 each time until it reaches 3.

For each \(x\) value, the program should compute the corresponding \(y\) value.

You should print a table (similar to the way we did in class). The table should have a heading -- one column for the \(x\) values, one column for the \(y\) values. Use `setw()` and `setprecision()` to neatly align the columns.

3. Once you have finished using \(x = 3\), the program should print a message (underneath the last line of output) saying that your program is complete, then stop.