What is <cmath>?

- <cmath> is a library available in the C language. It allows for mathematical opperations beyond the basic operators (Plus, minus, multiply, divide, modulo, etc).
- Included operators such as:
    o Trig functions
    o Logs (and natural log)
    o Exponent
    o Roots
    o And many more.

Which funcitons were used in my programs?

- The functions I used were to complete the assignment most easily and effectively.
    o Sine
    o Cosine
    o Tangent
    o Log (AKA ln in the cmath library)
    o Log10 (AKA normal log in the cmath library)

- Other things used
    o I defined pi as 3.1415. I had done this to go through some weird problems with the cos and sine functions. The trig functions weren't taking fractions such as 2/3 and -3/4. So I used 0.66666666666 and -0.75.   **ASK TA ABOUT FRACTIONS IN C**
    o cout <<
    o \n
    o Endl
    o * (multiply)
    o / (divide)
    o I made each var into a 'double' to store more decimals