Some notes on the homework assignment:

- Remember to acknowledge your collaborators and cite your sources. The template has a section built in for you to do this (see the comments in the template).

- Remember to let me know if you can't do your peer review this week (for any reason)!

Here's the schedule of when things are due for this assignment.

Component Due	Date
Draft of Solutions	Thursday, March 31
Peer Review	Tuesday, April 5
Final Copy	Friday, April 8

And finally, here are the problem statements.

1. Do my office hours work for your schedule? If not, please suggest some other times.

2. *Let $n \geqslant 1$. Compute $\varphi(2^n)$ (and make sure to prove that your answer is correct).*

3. *Use Euler's theorem to find the last digit of the decimal expansion of 13^{999999}.*

4. *Find the last digit of the decimal expansion of 2^{999999}.*
   Hint: Euler's theorem doesn't apply here...