Homework for Dr. Z.'s MathHistory for Lecture 10

0. Read and understand Chapter VI, sections 1-4 (pp. 125-141) summarize its content in your own words, and your own handwriting, and write it in your HISTORY notebook, [You should have at least the equivalent of two typed pages, but you are welcome to write more]

The other problems should be either hand-written or typed and sent as .pdf file or .txt file (PLEASE no other formats) to DrZlinear@gmail.com by 8:00pm Sunday, Oct. 17, 2021 ,

Subject: hw10

with an attachment: hw10FirstLast.pdf (or hw10FirstLast.txt)

Also in the BODY of the homework, have your name and indicate whether it is OK to post the homework in my web-site.

1. Fully understand, and be able to reproduce, the proof that there infinitely many primes.

2. Compute *from scratch* all the primes ≤ 140.

3. Write 3003 as a product of prime-powers.

4. How many primes, roughly, are there $\leq e^{100}$?