What to Study for the Final Exam
MTH 3318
Fall 2024

In preparation for the Final Exam, go to my website:

www.pat-rossi.com
  Academic Links
    MTH 3318

and work through the following:

1. Test #1 - Fall 2024

2. Test #2 - Fall 2024

3. Test #3 - Fall 2024

Know how to do:

    4. Group 4 - Real Numbers #3 (Exercises 1, 3, 4, 5, 8)

    5. The exercises in ***Group 5 - Functions #1***

    6. The proof that the set of even integers **E** is countably infinite

    7. The proof that 5**Z,** the set of integers that are multiples of 5, is countably infinite

(The proofs of 6, 7 can be found on my website at ***Group #5 - Functions 2***)

    8. The proof that the set of integers **Z** is countably infinite

    9. The proof that $\mathbf{Q}^+$ is countably infinite

    10. The proof that the set of real numbers in the interval [0, 1] is uncountable

        (The proofs of 9, 10 can be found on my website at ***Group #5 - Functions 2a***)

    11. The exercises in Group 5 - Functions #1

If you want more practice doing a certain type of exercise, work through similar exercises in:

    What to Study for Test #1
    What to Study for Test #2
    What to Study for Test #3

on my website