MATH 152 Assignment 6, Fall 2022.

Michael Monagan

Webassign Exercises

11.2 Exercises 15, 17, 18, 27, 31

11.3 Exercises 7, 11, 23

11.4 Exercises 7, 9, 17, 19

11.5 Exercises 5, 8, 23

11.6 Exercises 1, 3, 7, 10, 13

Written Exercises

1. Section 11.2 exercise 4.

2. Section 11.2 exercise 45.

3. Section 11.3 exercise 34.

4. Section 11.3 exercise 37.
   Note formula (3) in exercise 37 is referring to formula $\boxed{3}$ on page 724. See Example 6.

5. Section 11.3. Use the integral test to test if $\displaystyle\sum_{n=1}^{\infty} \frac{1}{n^2 + 3n + 2}$ is convergent or divergent.

6. Section 11.4. Test if $\displaystyle\sum_{i=1}^{\infty} \frac{1}{n+2}$ converges or diverges using the limit comparison test.

7. Section 11.5 exercise 35.

8. Section 11.6 exercise 34.

Midterm 3 is on Friday November 18th 8:30am.

It covers the material covered on Assignments 5 and 6 which is Sections 8.1, 8.2, 10.2, 11.1$-$11.6.