

Math 561, Fall 2018
Assignment 9, due Wednesday, October 31

Hand in solutions to the following exercises:

1. Greene & Krantz, Chapter 4, Exercise 24.

2. Greene & Krantz, Chapter 4, Exercise 38.

Note: See p. 158 for the definition of a simple zero and more generally the order of a zero. As for the formula when the zeros of g are not simple, you may not be able to be very explicit here, but nonetheless describe how to compute the residue.

3. Greene & Krantz, Chapter 4, Exercise 48.

4. Greene & Krantz, Chapter 4, Exercise 50.

5. Greene & Krantz, Chapter 4, Exercise 51.

On your own: Greene & Krantz: Chapter 4, Exercises 9, 13, 15 (some of these parts were addressed in class), 16, 23, 33 and 34 (try just a few parts in each one), 46, 47, 50, 51.

Reading: Greene & Krantz: finish Chapter 4.