Math 6410 – Some class title
Assignment 4

Your Name

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Problem 1 *Problem title*

Here you can restate the question for the sake of reference and it will fit in the box nicely. Equations work well too:

$$\zeta(s) = \sum_{n=1}^{\infty} \frac{1}{n^s} = \frac{1}{1^s} + \frac{1}{2^s} + \frac{1}{3^s} + \cdots .$$

Here you can type your answer to the question. Again, equations align nicely.

$$\zeta(s) = \prod_{p \text{ prime}} \frac{1}{1 - p^{-s}} = \frac{1}{1 - 2^{-s}} \cdot \frac{1}{1 - 3^{-s}} \cdot \frac{1}{1 - 5^{-s}} \cdot \frac{1}{1 - 7^{-s}} \cdots \frac{1}{1 - p^{-s}} \cdots .$$

Problem 2 *Another problem title*

We can also have problems with several parts by using the `enumerate` package:

(a) First part

(b) Second Part

And again, we can answer the question with the same package:

(a) First answer.

(b) Second answer. Notice equations (and figures) are numbered by the problem:

$$\zeta(s) = 2^s \pi^{s-1} \, \sin\left(\frac{\pi s}{2}\right) \, \Gamma(1 - s) \, \zeta(1 - s). \tag{2.1}$$

To conclude, we can also reference our equations, particularly (2.1).