

Math 413 Analysis I
Problem Set 11

Due Friday November 14

Do the following problems from Abbott's *Understanding Analysis*.

4.4.1 b) and c)

4.4.2 Hint:

$$\left| \frac{1}{x^2} - \frac{1}{a^2} \right| = |x - a| \left| \frac{1}{xa^2} + \frac{1}{x^2a} \right|.$$

4.4.8

4.4.9