# Math 106 Sections C and D
## Review for Test 2

Test 2 is on Friday, March 10 during class time.

Review Session conducted by Eric Towne is on Wednesday, March 8, 7 p.m. (Pettengill G21)

The test will cover sections 8.3 (no trig substitution), 9.1-9.2, 10.1-10.3, and labs three and four.

Here is a list of problems that you can use for practice for the test. This does not mean that the test problems will be a subset of these problems. The list is meant to help you prepare for the test and to remind you of some of the concepts we have covered. This review sheet is a supplement to the review sheet that will be posted on Eric's website at http://abacus.bates.edu/ etowne/mathresources.html (under Old Bates exams in the Math 106 column). Please ignore problem 1(b) on that review sheet as it involves trig substitution. We will also do additional review problems in class on Wednesday and Thursday.

1. Page 482: 15, 17, 21, 23

2. Use an appropriate third degree Taylor polynomial to find an approximate value of ln(1.2). What is the actual error committed by the approximation?

3. Page 501-502: 7, 23, 35, 27 (Additional questions for problem 27 - Suppose the given polynomial is the Maclaurin polynomial of $f$. What is $f^{(5)}(0)$? What is the third-order Maclaurin polynomial of the function $g(x) = xf(x)$?)

4. Page 508-509: 3, 17.

5. Pages 529: 1, 3, 13, 14, 15, 17, 18, 19, 29, 33, 35, 41, 47

6. Page 536-537: 3, 7, 9.