

Final Exam Information
Math 430
Spring 2011

I. Here is the Take Home part of the Final Exam: page 158, #5; pg 168 #7, 8, 10, 11; pg 168 #16, 17. Due 5:50 p.m. May 10.

II. The in class part will come from the followig list.

- Classify one or more surfaces.
- Compute homology groups with $\mathbb{Z}/2$ and \mathbb{Z} coefficients.
- Exersices 8 & 9 on page 19,
- Prove the Index Lemma on page 47.
- Prove the Fundamental Theorem of Winding Numbers on page 54.
- Prove the Theorem on pages 68–69.
- Prove the Ploygonal Chain Theorem on page 82.
- Prove the Lemma on page 98.
- Prove that Every Boundary is a Cycle, page 146.
- Prove the Mapl Coloring Theorem in Section 27.

The in class Final Exam will be in Wham 317 on Tuesday, May 10 starting at 5:50 p.m. If you have a conflict you must let me know now.