

Topology, fall 2015

Homework 6, due Wednesday October 21 before class.

Read Section 30 (up to the middle of page 192; the rest of this section is optional reading).

Read Section 31 (up to and including Example 2 on page 198). Example 3 on page 198 and related exercise 9 on page 200 were briefly discussed in class and constitute optional reading material.

Read Section 32 up to and including the proof of Theorem 32.3 on page 202. (we did not prove Theorem 32.1; go over its proof).

Read Section 33 (up to the middle of page 211).

Write solutions to exercises

Exercises for §30 on page 194: 2, 4, 5a (the last problem was discussed in class; still, write a proof).

Exercises for §31 on page 199: 1, 3.

Exercises for §32 on page 205: 1, 2.