

**RIEMANN SURFACES HOMEWORK 2: DUE  
WEDNESDAY, FEBRUARY 17**

JAMES PASCALEFF

- (1) I.3.C
- (2) Prove Proposition 3.6 from the text. See the lecture notes for some sketchy discussion and the text on pp. 14-16 that works out some (but not all) of the details. My intention is that you will study these resources and write out a proof that is to your satisfaction.
- (3) II.1.F
- (4) II.1.G
- (5) II.2.A
- (6) II.2.F
- (7) II.3.G
- (8) II.3.K