

Homework 4: The (false) Four-Color Theorem

*Due Tuesday, week 5, at the start of class**UCSB 2014***Checkdown/also extra-credit problem.**

This week is like last week! To get credit for this problem, just work on it; i.e. think about it, write down ideas, and otherwise spend a hour or two trying to figure out what's going on. Assignments that show effort (i.e. $> 1/2$ page of work and writing, coherent thoughts, good questions for me) will get credit. If you fully answer the problem, you get the extra-credit half-point as well!

1. Find the flaw in the proof we gave in class! In other words: explain why the proof in class is mistaken, omits some cases, or otherwise makes a conclusion that is unwarranted.