

November 22, 2010

18.701 Problem Set 11

due Wednesday, December 8 (the last day of class)

1. Chapter 9, Exercise 2.3. (*subspaces of \mathbb{C}^2*)
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 5.7. (*1-parameter groups in triangular matrices*)
5. Chapter 9, Exercise 6.9. (*vector cross product*)
6. Chapter 9, Exercise M.1. (*conjugacy classes in SL_2*)

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