

Math 254A. Homework 5

Due Wednesday, 27 September

1. Exercise 3 on page 28. The solution should be *nonzero*.
2. Exercise 1 on page 34.
3. Exercise 5 on page 15. For full credit, reduce the number of different cases to consider (preferably just one).
4. Exercise 6 on page 38.
5. Exercise 7 on page 38.