

**MATHEMATICS 850, FALL 2014**  
**Final Homework Set - due Friday, December 19**

All problems are from Chapter 9 of the book by Gerald Teschl.

- (1) Problem 9.5, page 263
- (2) Problem 9.6, page 263
- (3) Problem 9.7, page 263
- (4) Problem 9.8, page 263
- (5) Bonus (10 points) Problem 9.9, page 263  
What can you conclude from this problem?