



Introduction to Ordinary Differential Equations: Homework Problems Math 311p– Fall 2015

Homework 1 (due Sept. 10, 2015)

Section 1.2: ex. 9, 10. Section 1.3: ex. 30. Section 1.4: ex. 3, 6, 28, 36. Section 1.5: ex. 13.

Homework 2 (due Sept. 17, 2015)

Section 1.3: ex. 32. Section 1.4: ex. 34, 37. Section 1.5: ex. 16. Section 1.6: ex. 13, 22, 30, 57.

Homework 3 (due Sept. 24, 2015)

Section 1.5: ex. 21. Section 1.6: ex. 3, 7, 25. Section 2.1: ex. 15. Section 2.4: ex. 6.

Homework 4 (due Oct. 1, 2015)

Section 1.5: ex. 20. Section 1.6: ex. 24, 27. Section 2.4: ex. 6. Section 5.1: ex. 5, 8.

Homework 5 (due Oct 8, 2015 via email to m.weiss@math.miami.edu, or Oct. 6, 2015 hand-in)

Section 1.6: ex. 4, 48. Section 3.3: ex. 1, 3, 10.

Homework 6 (due Oct 29, 2015)

Section 3.5: ex. 3, 4, 6, 40, 47, 48.

Homework 7 (due Nov 5, 2015)

Section 3.5: ex. 16, 49. Section 4.1: ex. 1, 10. Section 4.2: ex. 1, 5. Section 5.1: ex. 10.

Homework 8 (due Nov 12, 2015)

Section 4.2: ex. 14, 48. Section 5.1: ex. 6. Section 5.2: ex. 3, 18, 26.

Remember: Second test is on November 19, 2015!