

MATH 2208: ORDINARY DIFFERENTIAL EQUATIONS

ASSIGNMENT 5

Fall 2019

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Due: Feb 26

Reading

Section 1.7 from the textbook.

Exercises

Don't forget to be neat and thorough. No fringe, and please use the cover page.

■ Question 1.

Finish and submit project 1 (The Spruce Budworm).

■ Question 2.

Book problems 1.7.(5, 13, 16, 21). Note for problem 21, we can show that the bifurcation point is at $C = \frac{kN}{4}$ for general values of k and N . When $k = N = 6$, we found in class that the bifurcation point was at $C = 36/4 = 9$.