1. Predator-Prey Variations

Can be found on page 320 of the textbook, project 5.9

There are many variations of the classical predator-prey model, and in this example we look at replacing the exponential parts by logistic parts:

$$\frac{dx}{dt} = ax - bx^2 - cxy$$
$$\frac{dy}{dt} = exy - fy$$

Do Part 1 a) b) c) d)
Do Part 2 a) b) c) d)