

Chapter 12, Problems

Due: December 8, 12:00 noon

Questions 1, 2, 3 and 4, page 592

About notation: The rate of change of a variable, such as of output Q , may be written in

the following equivalent ways: $\frac{dQ/dt}{Q} = \dot{Q} = q$.

Also, footnote 3, page 561, establishes that the rate of change of the ratio of two variables is the difference of their rates of change. Thus the rate of change of per capita output is

$$\frac{d(Q/N)/dt}{d(Q/N)} = \dot{Q} - \dot{N} = q - n,$$

where N denotes the population.

Regarding the Paper Project (I hope you will be able to turn your project in by December 4th)

You may find it helpful to reread the instructions:

<http://mlovell.web.wesleyan.edu/E110/e105WriteProject.pdf>

You might also look at the examples at some successful paper projects from prior years:

<http://mlovell.web.wesleyan.edu/StudentPapers/index.html>