

## READING 4 (DUE 09/22)

NAME:

SECTION:

Read the following applications of solving linear systems in Section 2.4 of the text: *Allocation of Resources*(pg. 99-101) and *Linear Economic Models* (pg. 107-109) and use the readings to answer the following questions.

1. Repeat example 2.28 and 2.27 with the following table of daily consumption of food:

	Bacteria Strain 1	Bacteria Strain 2	Bacteria Strain 3
Food A	1	1	1
Food B	1	2	3
Food C	1	2	5

2. What type of linear system is the Leontief closed economic model? Will there always be a solution to this type of model?