

Name: _____
Due: 06/09

ESMI Applied Math
Worksheet 3

Problem 1. Compute the following matrix-matrix product $\begin{bmatrix} 1 & 0 & 2 & 2 \\ 1 & 1 & -1 & -1 \\ 0 & 0 & -1 & 1 \end{bmatrix} \cdot \begin{bmatrix} 1 & 0 & 2 \\ 1 & 1 & -1 \\ 0 & 0 & -1 \\ 1 & 1 & 1 \end{bmatrix}$.

Problem 2. What is the degree of each node of a fully connected graph with 3 nodes with self loops? What is the degree of each node of a fully connected graph with 5 nodes without self loops?

