

Math 308H

Assignments 2/23-2/29

Reading: Read 4.7 and 4.8, also read over lightly 4.6.

SUGGESTION: Keep copies of this last assignment (the classwork and the written assignment) to study for the Final Exam, since you will not get this back before the Final.

Friday Classwork to turn in Wednesday 3/7

Write up pages 1 and 2 from the in-class work on Friday 3/2 and turn it in on Wednesday. This will be counted with your quiz and participation grades. If your work looks like scratch work after Friday, you should write a clean, concise draft to turn in.

Written Assignment 8 (due Wednesday 3/7 at the start of class)

- Section 4.7: #1, 5, 10
- Section 4.8: #3, 9, 16, 17

Also, write find the eigenvalues and eigenvectors for these matrices and write each one in the form SDS^{-1} as in Assignment 7.

- **Problem Y:** These instructions for matrix $F = \begin{bmatrix} 1 & 2 \\ 1 & -1 \end{bmatrix}$
- **Problem Z:** These instructions for matrix $G = \begin{bmatrix} 3 & -5 \\ 5 & -3 \end{bmatrix}$

ADDITIONAL ASSIGNMENT (NOT TO BE HANDED IN)

Section 4.8" You should do at least one more problem from the pair #1 and #7 or #5 and #11 and also #15 to make sure you know now to do such problems.