

Math 54: Quiz #7

April 13

GSI: M. Lindsey

Name: _____

Please give neat and organized answers. Whenever applicable (especially for computational questions), make it clear what strategy you are using.

Problem 1

Compute a singular value decomposition (SVD) of

$$A = \begin{pmatrix} 1 & 1 \\ 0 & 1 \\ -1 & 1 \end{pmatrix},$$

making it clear what it means to find an SVD for A and how you have done so.

Problem 2

What is your favorite thing that you have learned in the class so far? Why?