## Reading Assignment.

The following reading assignment will help prepare you for Reading Quiz 10, which is due on Quercus no later than Monday, March 24th, by 11:59pm.

- 1. Watch (or rewatch) this <u>3Blue1Brown video</u> on Eigenvalues and Eigenvectors. In particular, watch the sections on diagonal matrices and eigenbases starting at 13:38.
- 2. Watch this <u>3Blue1Brown</u> video on dot products and duality.

## Reflection Assignment.

For this week's reflection, we'd like you to spend some time communicating a mathematical idea. Choose any topic you've learned about this semester (ideally one you find particularly challenging), and communicate about the topic in whatever way you choose. We encourage you to be creative here, anything from pictures to poetry is allowed. Your summary can be technical (for example, summarizing the key concepts of your topic) or artistic (communicating your expression or relation to the topic), or anything in between. The only instruction is produce something you are proud of. We will randomly select a few entries to showcase to the class.

In your submission, please indicate what topic you are summarizing. Note that you may upload your file as a document or image. If you'd like to upload a video, we suggest creating a google drive or youtube link, and uploading a document with the link included.