

## Exercise 4-1-1

A. J. Roberts, August 11, 2020

Each plot below shows (unit) vectors  $\mathbf{x}$  (blue), and for some matrix the corresponding vectors  $A\mathbf{x}$  (red) adjoined. Estimate which directions  $\mathbf{x}$  are eigenvectors of matrix  $A$ , and for each eigenvector estimate the corresponding eigenvalue.

