

# Exercise 5-1-1

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For some distinct  $2 \times 2$  matrices  $A$  the following plots ad-join the product  $A\mathbf{x}$  to  $\mathbf{x}$  for a complete range of unit vectors  $\mathbf{x}$ . Use each plot to roughly estimate the norm of the underlying matrix  $A$  for that plot.

