

MATH 22 HW 2
PLEASE SUBMIT ON GRADESCOPE AT ANY TIME BEFORE
WEDNESDAY, SEPTEMBER 30 AT 5:59PM EDT

To earn full credit, show all work and explain your answers carefully. Make your arguments using complete sentences.

Technology should not be used for linear algebra computations. One exception: you may now technology to row-reduce matrices.

The graders will take away 1 point for every question submission on Gradescope that is not properly tagged.

- (1) (a) (5 points) Lay, Section 1.5, Problem 35.
 (b) (5 points) Lay, Section 1.5, Problem 36.

- (2) (a) (10 points) Lay, Section 1.7, Problem 24, Problem 25.
 (b) (5 points) Lay, Section 1.7, Problem 38.

- (3) (a) (5 points) Lay, Section 1.8, Problem 18. Note that you are not given any scales on the axes, so you should not assume anything about the coordinates of given vectors.
 (b) (5 points) Lay, Section 1.8, Problem 24.
 (c) (5 points) Lay, Section 1.8, Problem 34.