Due: upload to Gradescope by Friday 4 October 2019 at 3pm.

Hand in written solutions to the following exercises from the textbook. Grading: 1 point per exercise for completness. The exercises marked with a ($\star$) will also be graded for correctness, and will be assigned an additional 3 points each.

Chapter 1.1:
Ex. 11
Ex. 12
Ex. 13
Ex. 14
Ex. 15
Ex. 16($\star$)
Ex. 17($\star$)
Ex. 19

Chapter 1.2:
Ex. 20
Ex. 26($\star$)
Ex. 30($\star$)

Hand in a written answer to the following question from the lecture.

Q1: Given a system of two linear equations in three variables, what possibilities are there for the solution set (i.e., does it consist of a unique solution, no solution, or infinitely many solutions)? Motivate your answer using geometric arguments. What happens if instead you have a system of three linear equations in three variables?