Homework #8

• Textbook: 2.2.15, 2.2.22, 2.2.24, 2.2.28, 2.3.13, 2.4.3, 2.5.9

• Programming:

1. Write a function that takes as input
   - dimension $n$;
   - $n \times n$ matrix $A$;
   - $n \times 1$ vector $b$;
   - $n \times 1$ vector $x$;

   and calculates and outputs the $\infty$-norm of the residual vector $\| b - Ax \|_\infty$. Write out or print out your function and turn it in.