MAT 17B, Fall 2020
Homework 7
Due before 4:10 PM on Wednesday, December 2

Please write the homework solutions in connected sentences and explain your work. Mark the answers to each question. Scan or take pictures of your homework and upload it to Gradescope before due time.

1. (10 points) Consider the vectors $u = (1, -2, 3)$ and $v = (7, -2, 1)$. Find the lengths of vectors u, v and $u + v$.

2. (10 points) Find the distance between the points $A = (1, -1)$ and $B = (7, 7)$.

3. (10 points) Find the angle between the vectors $(1, 1, 0)$ and $(1, 0, 1)$.