

**MATH-UA 252/MA-UY 3204 - Fall 2022**  
**Homework 5**

**Nov. 7    By Your Grader**

**Rubrics for Homework 5:**

(1) Problem 1: 5 points. Any wrong derivation step will be subtracted 1 points

(2) Problem 2: 5 points. You have to draw the circles with radius = 1 around each particle. And you also have to discuss the situation when  $m = 4, 5, \dots, 10$ .

(3) Problem 3: Bonus 5 points. Several students did a great job on this part and they will get the corresponding bonus points. I will report these students to Samuel Potter.