Homework 6

Section 4.1 in Casella and Berger Book
Book problems: 4.1, 4.1d: P(abs(X+Y) <1), 4.4, 4.5

Section 4.2 in Casella and Berger Book
Book problems: 4.7, 4.9 (assume X and Y are continuous and the intervals of (a,b) and (c,d) fall on the real number line), 4.10, 4.11, 4.12 (Hint: Assume stick is of length 1, and note that to create a triangle you either need (i) the sum of the length of any 2 segments to be greater than the length of the 3rd segment or, (ii) no segment length is greater than ½), 4.13