MATH 10B with Prof. Stankova
Section #208 ; time: 2-3:30pm
GSI: Ninh DO

Quiz 3

Student:
SID:
Tue 2/12/19

True/False - No explanation needed. (1pt for correct, 0pt - no answer, -1pt - incorrect)

1. The number of solutions to the problem of distributing indistinguishable objects to distinguishable boxes is larger than that of distributing distinguishable objects to distinguishable boxes, given the same input. True/False

2. The solutions to the problem of distributing indistinguishable objects to distinguishable boxes involve Stirling numbers. True/False

Problems - Need justification. No justification means **zero**!

1. (5pts) How many non-negative integer solutions to the inequality $x_1 + x_2 + x_3 + x_4 \leq 20$, where $x_1 \geq 4$?

2. (5pts) How many ways are there to to deal 6 cards from a deck of 52 cards to 4 players if the players are indistinguishable?