Homework: #6, Class #7
Discrete Mathematics (Course Number: MTH-129-51)
Prof. G. Safko
Due: Class #8

Section 3.2:

Page 147, #21, 22
Page 147, #26 (Prove it by induction; don't use the solution in the back of the book)

Section 3.3
Page 154, #8
Page 155, #33

Prove by induction the following:

For $n \geq 0$, $1^2 + 2^2 + ... + n^2 = n(n + 1)(2n + 1)/6$.