Department of Mathematics and Statistics
Semester 111

STAT301 Quiz 3 Wednesday November 30, 2011

Name: _____ ID #: _____

1. An urn contains 7 white balls and 3 black balls. Five balls are randomly selected. Find the probability distribution of the number of white balls, when sampling
    a. With replacement.
    b. Without replacement

2. One per thousand of a population is subject to a certain kind of accident each year; Given that an insurance company has insured 5000 persons from the population, approximate the probability that at most 2 persons will incur this accident.