

Name: _____

Student#:

__Date:

COMP 2711: Discrete Mathematical Tools for Computer Science

In Class Exercise #12

1. a) Roll a fair die and let X be the number of dots showing on top. What are $E(X)$ and $Var(X)$?
- b) What are $E(2X)$ and $Var(2X)$?
- c) Now roll another die and let Y be the number of dots showing. What are $E(X + Y)$ and $Var(X + Y)$?