

CS 333202: Probability and Statistics
HW5 Part II

1. (a) $4 + \frac{1}{1-p}$
(b) $4(1-p) + 1$
2. $1/(1-p)^{N-1}$
3. $\binom{2N-k}{N} \left(\frac{1}{2}\right)^{2N-k}$