ECE 3020 Homework 3
Due Date: Friday, September 15, 3:00 PM

1) On-line Text, Problem 3.11.10 (simplify your answer as much as possible)

2) Show, using proof by induction, that $T(n) = dn^2 + en + f$ is an exact solution to the recurrence equation:

   $T(n) = T(n–1) + bn$, $T(1) = c$

   Solve for exact values of d, e, and f in terms of b and c in your proof.