## Assignment 2 Question 7

Monday, September 28, 2020 1:54 PM

- $M_{kx}(t) = E \left[ e^{(t k)x} \right] = M_x(kt)$
- $m = E\left[e^{tx_1+x_2+\cdots+x_n}\right] = E\left[e^{tx_1}\right] = E\left[e^{tx_n}\right] E\left[e^{tx_n}\right] = M_x(t)^n$