

MA 418 ~ ACTUARIAL MATHEMATICS I
CH 2 - CONSTANT MORTALITY HOMEWORK

NAME: _____

Consider $\mu_x = \mu$ (constant force of mortality), then find ${}_t p_x$, ${}_u|_t q_x$, $\overset{\circ}{e}_x$, $\overset{\circ}{e}_{x:\overline{n}|}$, e_x .

Consider $q_x = q$ (constant mortality rate, aka uniform survival), then find ${}_t p_x$, ${}_u|_t q_x$, $\overset{\circ}{e}_x$, $\overset{\circ}{e}_{x:\overline{n}|}$, e_x .