

Name: _____ .

Preview §2.4: Actuarial notation

1. Define each symbol and state what it represents in plain English.

(a) ${}_t p_x$

(b) ${}_t q_x$

(c) ${}_u|_t q_x$

(d) p_x

(e) q_x

2. Fill in the blank and explain why it is true in plain English.

$${}_t p_x + {}_t q_x = \underline{\hspace{2cm}}$$

3. Give a formula for ${}_u|_t q_x$ in terms of ${}_r p_x$'s.

