

MATH 3630 - Actuarial Mathematics I
Fall 2016 - Valdez
Quiz No. 3
Wednesday, 3 October 2016

Name: _____ Student ID: _____

The following is an extract from a mortality table:

x	ℓ_x	d_x	p_x	q_x
95	—	—	—	0.40
96	—	—	0.20	—
97	—	72	—	1.00

You are also given:

- $\ell_{90} = 1000$ and $\ell_{93} = 825$
- Deaths are uniformly distributed (UDD) over each year of age.

Calculate ${}_{3|2.5}q_{90}$.