

MATH 3631 - Actuarial Mathematics II
Spring 2020 - Valdez
Quiz No. 2
Wednesday, 10 February 2020

Name: _____ Student ID: _____

For a fully discrete whole life insurance issued to (x) , you are given:

- The only expenses are 25 at the beginning of the first year and 5 each year thereafter.
- Expenses are payable at the beginning of each year the policyholder is alive.
- $\ddot{a}_x = 12.1$ $\ddot{a}_{x+15} = 8.3$

Calculate the expense reserve at the end of 15 years.