

MATH 3631 - Actuarial Mathematics II
Spring 2020 - Valdez
Quiz No. 1
Monday, 3 February 2020

Name: _____ **Student ID:** _____

For a whole life insurance policy issued to (45), you are given:

- The actuarial present value of future benefits at issue is 239.08.
- The actuarial present value of future benefits at the end of 15 years is 335.62.
- The actuarial present value of future premiums at the end of 15 years is 158.36.

Calculate the net premium reserve at the end of 15 years.