

MATH 3631 - Actuarial Mathematics II
Spring 2018 - Valdez
Quiz No. 2
Monday, 5 February 2018

Name: _____ Student ID: _____

For a fully discrete whole life insurance of 1,500 on (x) , you are given:

- $i = 0.05$
- $q_{x+k} = 0.004$
- $\ddot{a}_x = 16.2$
- The net premium reserve at the end of policy year k is 179.

Calculate the net premium reserve at the end of policy year $k + 1$.