

MATH 3631 - Actuarial Mathematics II
Spring 2011 - Valdez
Homework No. 2
due Monday, 6:15 PM, 28 February 2011

Please return this page with your signature. Please write your name and student number at the spaces provided:

Name: _____ Student ID: _____

I certify that this is my own work, and that I have not copied the work of another student.

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For a fully-discrete whole life insurance of \$100 on (40) , you are given:

- Mortality follows deMoivre's law with age limit ω .
- ${}_{14}V = 6.9376$, ${}_{15}V = 7.5234$, and ${}_{16}V = 8.1233$
- $i = 5\%$

Calculate ω .