

Below are the correct answers to the problems in this set; for complete solutions see the course website, www.math.uiuc.edu/~hildebr/370. The source of each problem is indicated in parentheses; for example, “#22/may01” means that the problem occurred as Problem 22 on the May 2001 Actuarial Exam 1/P.

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| 1. [2-1, #36/may03] | D: 213 | 11. [2-52, #21/nov01] | D: 1/64 |
| 2. [2-2, #11/nov00] | B: 5,000 | 12. [2-53, #40/may00] | E: 0.92 |
| 3. [2-3, #24/may00] | D: 2 | 13. [2-54, #33/nov01] | E: 2694 |
| 4. [2-4, #36/may00] | A: 0.04 | 14. [2-55, #5/nov01] | A: 0.031 |
| 5. [2-5, #7/1999] | B: 0.053 | 15. [2-56, #8/may00] | A: 0.45 |
| 6. [2-6, #26/1999] | A: 2 | 16. [2-60, #10/may01] | E: 897 |
| 7. [2-7, #40/1999] | E: 0.1564 | 17. [2-101, #27/nov01] | D: 60 |
| 8. [2-8, #9/1999] | D: 2,900 | 18. [2-102, #11/nov01] | D: 0.29 |
| 9. [2-9, #27/nov00] | A | 19. [2-103, #23/nov00] | C: 7,231 |
| 10. [2-51, #32/nov01] | B: 2/5 | 20. [2-104, #13/may01] | E: 0.469 |