

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. [3-1, #16/1999] | A: 16/9 | 18. [3-18, #14/nov00] | D: 5644 |
| 2. [3-2, #12/may03] | D: 28/15 | 19. [3-19, #25/nov00] | C: 0.93 |
| 3. [3-3, #18/1999] | C: 0.5 | 20. [3-20, #20/may01] | D |
| 4. [3-4, #39/1999] | D: 2 | 21. [3-21, #25/may03] | B: 0.3 |
| 5. [3-5, #7/may00] | C: 1/2 | 22. [3-22, #17/1999] | C: 0.134 |
| 6. [3-6, #18/may00] | C: 173 | 23. [3-23, #7/nov00] | B: 0.13 |
| 7. [3-7, #4/may03] | D: 0.42 | 24. [3-24, #23/1999] | D: 320.78 |
| 8. [3-8, #34/nov00] | C: 0.43 | 25. [3-51, #17/nov01] | B: 1/9 |
| 9. [3-9, #32/nov00] | A | 26. [3-52, #22/may03] | B: 93 |
| 10. [3-10, #39/may01] | A: 0.578 | 27. [3-53, #35/may01] | C: 1.7 |
| 11. [3-11, #34/may00] | D: 1.9 | 28. [3-54, #29/nov01] | B: 403 |
| 12. [3-12, #34/may03] | C: 0.47 | 29. [3-55, #13/nov01] | E |
| 13. [3-13, #23/may03] | A | 30. [3-56, #37/may01] | E:985 |
| 14. [3-14, #34/1999] | C: 0.935 | 31. [3-57, #29/may03] | E |
| 15. [3-15, #3/may00] | D: 10,256 | 32. [3-61, #16/nov01] | C |
| 16. [3-16, #38/may00] | C: 500 | 33. [3-102, #4/may00] | E |
| 17. [3-17, #9/nov00] | E: 1000 | 34. [3-103, #17/may01] | B: 328 |