

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. [5-1, #19/nov00] | C: 0.27 | 6. [5-6, #19/may01] | B: 16 |
| 2. [5-2, #9/may00] | B: 0.159 | 7. [5-7, #6/may00] | D: 0.84 |
| 3. [5-3, #19/may00] | D: 0.77 | 8. [5-51, #40/nov01] | B: 0.84 |
| 4. [5-4, #6/nov00] | B: 0.82 | 9. [5-52, #15/nov01] | E: 0.99 |
| 5. [5-5, #13/may03] | C: 6,343,000 | 10. [5-102, #33/may01] | D: 0.223 |