

**MATH3200: APPLIED LINEAR ALGEBRA**  
**REVIEW MODULE 101: REVIEW QUESTIONS FOR THE FINAL**

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The purpose of this review module is to give you a good selection of questions from the practice modules that you may want focus on when reviewing for the final. It is recommended that for each of these questions you briefly look at the sample solution and check whether you understand the method that is used for solving it, without spending too much time on the details. For questions on this list that you find especially challenging, you may then want to spend more time on studying the details of the sample solution, the relevant material from the lectures and conversations, and perhaps gain more practice by re-doing similar questions from the same module.

Questions on the final will be similar *in format and/or scope* to questions on this list *or to questions on the quizzes*. Make sure that you also go over the sample solutions for the quizzes, as well as the outlines of each chapter and that you look up details on the parts of the material where you feel that your understanding is less than perfect in the lectures and conversations themselves, starting with their take-home messages or summaries.

- From Module 1: **Questions 1.1–1.3**
- From Module 4: **Questions 4.2, 4.3, 4.8, 4.9**
- From Module 5: **Questions 5.1–5.5**
- From Module 6: **Questions 6.1–6.3**
- From Module 7: **Questions 7.1–7.5** and **Questions 7.9–7.12**
- From Module 8: **Questions 8.1, 8.4, 8.6, 8.7**
- From Module 9: **Questions 9.1(a), 9.2(a), 9.3(a)**
- From Module 10: **Questions 10.1, 10.3, 10.4**
- From Module 12: **Question 12.1**
- From Module 13: **Question 13.1** (here focus on the formula only, ignore the MATLAB calculation), **Question 13.4**
- From Module 21: **Questions 21.1–21.4**
- From Module 22: **Questions 22.4–22.7**
- From Module 23: **Questions 23.3, 23.4**
- From Module 24: **Questions 24.1, 24.2, 24.4, 24.6**
- From Module 26: **Questions 26.2, 26.6**
- From Module 27: **Questions 27.1, 27.4, 27.5**
- From Module 28: **Question 28.1**
- From Module 29: **Questions 29.3, 29.4**
- From Module 30: **Questions 30.2–30.4**
- From Module 31: **Question 31.1**
- From Module 42: **Questions 42.3–42.5**
- From Module 43: **Questions 43.3, 43.5, 43.6**
- From Module 44: **Questions 44.1–44.3**
- From Module 45A: **Question 45.2**
- From Module 45B: **Questions 45.4, 45.5**
- From Module 46: **Question 46.2**

- From Module 47B: **Questions 47.3–47.5, 47.8, 47.9**
- From Module 48: **Questions 48.2, 48.3**
- From Module 49: **Questions 49.3, 49.4**
- From Module 50: **Questions 50.1, 50.2**
- From Module 51: **Questions 51.1, 51.2**
- From Module 52: **Questions 52.6, 52.7**
- From Module 53: **Questions 53.1, 53.3**
- From Module 54: **Question 54.3**
- From Module 55A: **Questions 55.1, 55.7**
- From Module 61: **Questions 61.2, 61.4**
- From Module 62: **Questions 62.3, 62.4**
- From Module 63B: **Questions 63.11, 63.12**
- From Module 64: **Questions 64.3, 64.4**
- From Module 65: **Questions 65.1, 65.4**
- From Module 66: **Questions 66.1, 66.3**
- From Module 67A: **Questions 67.1, 67.2**
- From Module 67B: **Questions 67.5, 67.6**
- From Module 68: **Questions 68.1, 68.2**
- From Module 72: **Question 72.1**
- From Module 81: **Questions 81.1(b), 81.3(b), 81.4(b)**
- From Module 82A: **Questions 82.1, 82.2, 82.4**
- From Module 82B: **Question 82.5**
- From Module 83: **Questions 83.1, 83.4, 83.5**