THE HOMEWORK ASSIGNMENTS.
Vector Calculus 212.

In all problems, please give complete, detailed, rigorous solutions.
Theorems proved in class may be used.
Please, however, clearly formulate all theorems that you are using.

1. Due 11 Jan: Do not submit: 1.1.7, 1.1.19, 1.2.7; Submit: 1.1.8, 1.1.20, 1.1.14.

2. Due 16 Jan: Do not submit: 1.1.28, 1.2.7, 1.2.15, 1.3.11; Submit: 1.2.14, 1.2.18, 1.3.26, 1.3.12, 1.3.36.

3. Due 18 Jan: Do not submit: 2.1.12, 2.1.29, 2.2.10(b); Submit: 2.1.13, 2.1.27, 2.2.10(c).

4. Due 23 Jan: To Section 2.3: 3 b,c,d,e; 4 a,b,d; 5; 7 a, b, d; 13, 16, 17, 18, 20.
   To Section 2.2: 2, 3, 8b, 11c, 12.
   Do not submit solutions to problems highlighted in orange.

5. Due 25 Jan: To Section 2.4: 1,2,9,12,14,15,16. Do not submit solutions to problems highlighted in orange.

6. Due 30 Jan.: 2.5.15, 2.5.17, 2.6.2(b,c), 2.6.6(b,c), 2.6.17, 2.6.18.
   Do not submit solutions to problems highlighted in orange.

7. Due 1 Feb: 2.6.23, 2.6.13 (a,b), 2.6.8, 2.6.9.
   Review exercises to Chapter 2: no.27, 28, 29, 30 (p.177).
   Do not submit solutions to problems highlighted in orange.

8. Due 6 Feb: To Section 7.2: 1, 2, 4a, 7, 9, 14, 15, 17.
   To Section 5.1: 1(a,b), 8, 9. To Section 5.2: 3, 4, 5, 7.
   To Section 5.3: 1(a,b), 2(b,d,e).
   Do not submit solutions to problems highlighted in orange.

   To Section 5.2: 5.2.3, 5, 6, 7, 11.
   To Section 5.4: 5.4.2 (a,b,c), 10, 14.
   Do not submit solutions to problems highlighted in orange.
10. Due 13 Feb:
   To Section 5.5: 5.5.1, 2, 9, 16, 17, 19, 20, 21.
   Review Exercises to Chapter 5: page 365: 1, 2; page 366: 9, 10, 15; page
   367: 33, 34, 35.
   Do not submit solutions to problems highlighted in orange.

11. Due 20 Feb (=next Tuesday): To Section 4.2: 1, 2, 3, 6, 9, 11, 12.
    To Section 8.1: 4, 5, 6, 10.
    To Section 4.3: 1, 2, 3, 4, 5, 6, 7, 8, 18.
    To Section 4.4: 2, 3, 9, 10, 11, 12.
    Do not submit solutions to problems highlighted in orange.

12. Due 22 Feb (=this Thursday):
    To Section 6.1: 2, 4, 6, 8, 9, 10, 11.
    To Section 2.4: 7, 8; also Problem 2.5.2.
    Do not submit solutions to problems highlighted in orange.

13. Due 15 Mar (Thursday after break):
    To Section 6.1: 3, 5, 7, 9.
    To section 6.2: 1,3,6,8,13,14,17,18,19,20,21,22,23,24,26,27,28,29,30,31,32.
    Do not submit solutions to problems highlighted in orange.

14. Due 20 March: To Section 4.4: 25, 26, 28, 29, 30, 31, 32.
    To Section 7.3: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17.
    Do not submit solutions to problems highlighted in orange.

15. Due 22 March:
    To Section 7.4: 1, 2, 4, 5, 6, 7, 11, 13, 14, 17, 21.
    Do not submit solutions to problems highlighted in orange.

16. Due 27 March:
    To Section 7.4: 20, 21, 22(a,b,c).
    To Section 7.5: 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 18, 20.
    Do not submit solutions to problems highlighted in orange.

17. Due 29 March:
    To Section 7.6: 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 14, 15.
    Do not submit solutions to problems highlighted in orange.
18. Due 3 April:
   To Section 7.6: 16, 17, 18.
   Review Exercises for Chapter 7 (pages 514-517): 1, 2, 4, 7, 8, 10, 11, 14, 15.
   To Chapter 8.2: 5, 7, 8, 9, 10, 11, 12, 18, 19.
   Do not submit solutions to problems highlighted in orange.

19. Due 12 April: To Chapter 3.1: 1, 2, 5, 8, 10, 15, 16, 17, 18, 19, 20.
    To Chapter 3.2: 1, 3, 5, 6, 7.
    Do not submit solutions to problems highlighted in orange.

20. Due 17 April: To Chapter 3.1: 11, 12, 13, 14, 21, 22, 23, 24
    To Chapter 3.3: 1, 2, 3, 4, 5, 6, 7.
    To Chapter 3.4: 15, 16, 17.
    Do not submit solutions to problems highlighted in orange.

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