

# Written Homework for Math 2210-4, Spring 2019

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April 15, 2019

Our text is by Dale Varberg, Edwin J. Purcell and Stephen E. Rigdon, *Calculus with Differential Equations*, 9th ed. Please read the relevant sections in the text as well as any cited reference. Assignments are due the following Friday, or on Apr. 19, whichever comes first.

Your written work reflects your professionalism. Make answers complete and self contained. This means that you should copy or paraphrase each question, write in complete sentences, provide adequate explanation to help the reader understand the structure of your argument, be thorough in the details, state any theorem that you use and proofread your answer.

It also means that you do your own work. You can talk to other students about the problems, but you should write the solutions on your own. Copying from other students or the internet is cheating and plagiarism and against your student code. If you must use a source other than your textbook, being professional means that you provide a citation.

Homework from Wednesday to Tuesday will be due Friday. Late homework that is up to one week late will receive half credit. Homework that is more than one week late will receive no credit at all. Homework that is placed in my mailbox in JWB 228 before 3:00 pm Friday afternoon will be considered to be on time.

This is the official listing of homework assigned for the week and takes precedence in case there is any discrepancy with the problems mentioned in class.

Please hand in problems A on Friday, Jan. 11.

**A.** Exercises from Sec. 10.4 of the text

534[12, 16, 30, 32, 40, 50, 59, 62]

Please hand in problems B on Friday, Jan. 18.

**B.** Exercises from Sec. 11.1 – 11.3 of the text

559[7, 14, 28, 37, 40]

565[18, 21, 28, 31, 35]

572[15, 31, 51, 55, 73]

Please hand in problems C on Friday, Jan. 25.

**C.** Exercises from Sec. 11.4 of the text

578[12, 18, 22, 25, 29]

Please hand in problems D on Friday, Feb. 1.

**D.** Exercises from Sec. 11.5 – 11.7 of the text

587[5, 16, 28, 32, 34]

592[6, 12, 20, 28, 31]

601[4, 10, 23, 27, 45]

Problems due Friday, Feb. 8, are postponed until Friday, Feb. 15.

**E.**

Please hand in problems F on Friday, Feb. 15.

**F.** Exercises from Sec. 11.8 of the text

608[7, 13, 15, 20, 26, 30, 35]

612[5, 22, 24, 32, 33]

Please hand in problems G on Friday, Feb. 22.

**G.** Exercises from Sec. 12.1 – 12.3 of the text

622[15, 23, 28]

628[2, 25, 36, 46]

634[5, 21, 36]

Please hand in problems H on Friday, Mar. 1.

**H.** Exercises from Sec. 12.4 – 12.5 of the text

641[9, 13, 16, 17, 28]

646[3, 9, 16, 20, 30]

Please hand in problems I on Friday, Mar. 8.

**I.** Exercises from Sec. 12.6 – 12.8 of the text

651[8, 16, 19, 25, 29]

656[7, 10, 16, 19, 25]

664[4, 19, 35, 40, 41]

Please hand in problems J on Friday, Mar. 22.

**J.** Exercises from Sec. 12.9 of the text

668[3, 7, 12, 22, 28, 29]

Please hand in problems K on Friday, Mar. 29.

**K.** Exercises from Sec. 13.1 – 13.3 of the text

679[3, 8, 9, 21, 26]

683[19, 34, 40]

689[5, 17, 22, 33, 25, 42, 43]

Please hand in problems L on Friday, Apr. 5.

**L.** Exercises from Sec. 13.4 – 13.7 of the text

694[9, 21, 33]

699[3, 13, 17, 24]

705[7, 11, 14, 21]

711[5, 23, 27, 31, 35]

Please hand in problems M on Friday, Apr. 12.

**M.** Exercises from Sec. 13.8 – 14.1 of the text

717[11, 17, 23, 27]

727[5, 14, 17]

729[21]

734[11, 17, 20, 21, 28]

Please hand in problems N on Friday, Apr. 19.

**N.** Exercises from Sec. 14.2 – 14.5 of the text

740[5, 13, 21, 27]

747[3, 17, 27]

754[1, 7, 11, 13, 19]

763[2, 11]

The FINAL EXAM is Fri., Apr. 26, 10:30 am - 12:30 pm in the usual room CSC 208.