Homework Page

This is the homework page for Math 0100, Introductory Calculus II, in the Fall 2013 semester. All students should complete the problems below, which are listed by the week in which the relevant content will be covered. Self-Check Problems are not to be handed in; students should solve these, check their answers in the textbook, and seek help if necessary. Collected Problems should be written up and turned in during recitation, on the date specified.

Assignments on this page are subject to change. The website is always the most accurate source for assignments, so if you print out a copy of this page early, check the web each week to make sure the problems have not been changed. In general, if anything is changed less than a week before a due date, your teacher will call attention to it. (Also, if previously posted problems are changed, they will be marked in bold.)

IMPORTANT! For submitted problems, students are expected to show work and justify their answers. If a problem legitimately yields an answer in one step (which is rare!), it's fine to write down the result, but if a problem involves intermediate steps, an answer that does not include the reasoning behind it may be given no credit.

Week 1 (Sep 2 - Sep 6):	Integration Review (4.8, 5.4, 5.5) *[Semester begins on Wed Sep 4]*	Self-Check Problems: 4.8 - 7, 41, 55, 85, 97, 109 / 5.4 - 7, 19, 31, 59, 63 / 5.5 - 3, 9, 11 Collected Problems (due Thu Sep 12): 4.8 - 12, 40, 50, 104 / 5.4 - 2, 10, 2, 58 / 5.5 - 4, 10
Week 2 (Sep 9 - Sep 13):	More Integration Review, Integration by Parts (5.5, 5.6, 8.1)	Self-Check Problems: 5.5 - 21, 23, 51, 75 / 5.6 - 3, 21, 39, 57, 69 / 8.1 - 9, 13, 15, 23, 39, 43 Collected Problems (due Thu Sep 19): 5.5 - 24, 34, 72 / 6a, 20, 32, 60 / 8.1 - 6, 10, 22, 34, 38
Week 3 (Sep 16 - Sep 20):	Trigonometric Integration and Substitution (8.2, 8.3)	Self-Check Problems: 8.2 - 3, 17, 19, 21, 35, 37, 41 / 8.3 - 1, 5, 13, 17, 35, 53 Collected Problems (due Thu Sep 26): 8.2 - 8, 12, 14, 36, 38, 64 / 8.3 - 4, 12, 28, 32, 52
Week 4 (Sep 23 - Sep 27):	Partial Fractions, Improper Integrals (8.4, 8.7)	Self-Check Problems: 8.4 - 13, 15, 19, 29, 35, 39, 51 / 8.7 - 13, 15, 21, 41, 51, 65 Collected Problems (due Thu Oct 3): 8.4 - 12, 18, 22, 36, 42, 46 / 8.7 - 8, 12, 20, 24, 48
Week 5 (Sep 30 - Oct 4):	Arc Length, Sequences and Series (6.3, 10.1, 10.2) *[EXAM 1 tentatively on Tue Oct 1 at 6:30pm]*	Self-Check Problems: 6.3 - 1, 7, 9, 19 / 10.1 - 3, 15, 23, 39, 43, 63, 81, 97 / 10.2 - 1, 13, 17, 23, 29 Collected Problems (due Thu Oct 10): 6.3 - 2, 4, 10 / 10.1 - 24, 38, 42, 46, 62, 92 / 10.2 - 12, 16, 28
Week 6 (Oct 7 - Oct 11):	Series, Integral Test (10.2, 10.3)	Self-Check Problems: [Problems] Collected Problems (due Thu Oct 17): [Problems]
Week 7 (Oct 14 - Oct 18):	Integral & Comparison Tests (10.3, 10.4) *[No classes on Mon Oct 14]*	Self-Check Problems: [Problems] Collected Problems (due Thu Oct 24): [Problems]
Week 8 (Oct 21 - Oct 25):	Alternating Series (10.5, 10.6)	Self-Check Problems: [Problems] Collected Problems (due Thu Oct 31): [Problems]
Week 9 (Oct 28 - Nov 1):	Power Series (10.7, 10.8)	Self-Check Problems: [Problems] Collected Problems (due Thu Nov 7): [Problems]

Week 10 (Nov 4 - Nov 8): Taylor Series (10.8, 10.9, 10.10)   Self-Check Problems: [Problems]
Collected Problems (due Thu Nov 14): [Problems]

Week 11 (Nov 11 - Nov 15): Parametric Curves (11.1, 11.2)   Self-Check Problems: [Problems]
[EXAM 2 tentatively on Tue Nov 12 at 6:30pm]   Collected Problems (due Thu Nov 21): [Problems]

Week 12 (Nov 18 - Nov 22): Polar Curves (11.3, 11.4, 11.5)   Self-Check Problems: [Problems]
[No Collected Problems due next week]

Week 13 (Nov 25 - Nov 29): Differential Equations (7.2, 9.1)   Self-Check Problems: [Problems]
[Break begins Wed Nov 27 at noon]   Collected Problems (due Thu Dec 5): [Problems]

Week 14 (Dec 2 - Dec 6): Differential Equations (9.2, 9.3)   Self-Check Problems: [Problems]