Information for Online Homework   Math 10560   Fall 2024   (hyperlinks are in blue)

Homework will be assigned and collected electronically through Webassign.

- If you already have a Cengage/Webassign account (this applies if you used Webassign for homework in Calculus I last semester), **login with the same username and password that you used for your previous calculus class**. If you have already subscribed to Cengage Unlimited a multi-term homework access code or book/EWA card bundle for Math 10550 last semester, the system should recognize this and should not send you any notices requesting that you purchase an access code when the grace period ends.

- If, on the other hand, you are a new user, to enroll in your course, choose the correct class key from the list below and follow the instructions on the following link;

  https://startstrong.cengage.com/webassign-not-integrated-ia-yes/.

  Please use your name as listed in your class and your Notre Dame e-mail for registration. You can check the name of your instructor and your section number in Canvas or on our website.

Instructor	Section Number	Class Key
Nick Salter	01	nd 2523 6751
Qing Han	02	nd 8000 9604

  If you did not use webassign last semester, you have about 10 days after Aug. 27 to purchase an access code and enter it in the system before it terminates your access(see below).

  If you switch sections at some point in the future, take a screen shot of your homework scores to date before you switch, then send an e-mail to your instructor with the screenshot, details of the section you are switching from, and the one you are switching to.

Be sure to read the Book/Access Code Information **on our website before purchasing a book or access code.** For this class, I ask that you purchase the **Cengage Unlimited $129.99** (4 month option) option. Note that the 4-month Cangage Unlimited subscription will (among other things) cover book/homework access for Calculus II-III.

You will now be able to view your Home Page, which will give you a list of current assignments. You are now ready to start work on your current assignments. Instructions on getting started are given on the Cengage website under the link
https://help.cengage.com/student/webassign/index.html.
If you need further help for technical problems regarding online homework, please attend the Cengage Office hours listed on our help page on our website or consult the FAQ's on the above page. Your Home Page offers a link to the e-book. You can preview the e-book and the attached media files if you click on this link.

HOMEWORK POLICY: The homework for each class is available at 2am on the day of the class prior to the one in which the relevant material is scheduled to be covered. **It is due at the end of the next class day (in fact 2a.m. the following morning).** A complete list of due dates is attached.

Late Homework will not be accepted, but the lowest three homework scores are dropped at the end of the semester.

WORKING THROUGH AN ASSIGNMENT: More detailed instructions on getting started and working on assignments are given on the Cengage website under the link `https://help.cengage.com/student/webassign/index.html`.

For each homework question part, you are allowed 5 submissions for the answer unless it is a multiple choice question, in which case the number of submissions is one less than the number of answers. You can submit question parts individually. When you wish to make a sumission, click `Submit Answers`. You do not need to complete your homework or a question in one sitting. You may click `Save Work` if you wish to return to your work later.

The first chart below shows the proper syntax for entering answers and the next chart shows the most common errors when entering answers. There is also a a menu called "Calcpad" available when working on a problem which can be opened and used to help you enter your answers.

○ ○ ○   WebAssign Symbolic Formatting

This question requires that you enter your response in symbolic format.

To do this, type your answer into the answer box using standard calculator notation.
You will be given credit for any formula that is evaluated to be equivalent to the answer formula.

For example, 4*x+12 would be equivalent to (x+3)*4.

Use pi to represent the symbol π, 3.14 is a numerical approximation of the symbol π and these are not equivalent.

Do not worry about italics. For example, if a variable g is used in the question, just type g.

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Available operators	Example	Available operators	Example
+ for addition	x+1	sin, cos, tan, sec, csc, cot, asin, acos, atan functions (angle x expressed in radians)	sin(2*x)
- for subtraction or the negative sign	x-1, or -x		
* for multiplication	4*x	sqrt() for square root of a number	sqrt(x/5)
/ for division	x/4		
** or ^ for exponential	x**3 or x^3	pi for 3.14159....	2*pi*x
( ) where necessary to group terms	4/(x+1), or 3*(x+1)	e for scientific notation	1e3 = 1000
		ln() for natural log	ln(x)
abs() to take the absolute value of a variable or expression.	abs(-5) = 5	exp() for "e to the power of"	$exp(x) = e^x$

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Question Mode	Problem	Incorrect Notation	Correct Notation
Any	Incorrect grouping operator.	4{x+3}	4(x+3)
Any	Missing operand.	50*	50*3
Any	Too many consecutive operators.	x++++2	x+2
Any	Unrecognized symbol.	$4.00 4&6	4.00 4+6
Numerical	Misspelled unit.	3456 met/sec	3456 m/s
Numerical	Response cannot contain variables.	2*x+3	2*10+3
Numerical	Response cannot use implicit multiplication.	3(14)	3*14
Symbolic or Algebraic	Comma in number.	5,000	5000

HELP : The Math Help Room is a walk in help room staffed by graduate students. It is Located in the basement of Hayes-Healy and is open Monday through Thursday 1pm-9pm, Friday 1pm - 4pm, and Sunday 4pm - 9pm.

Help is also available in the form of **office hours and from the Learning Resource Center.** Details on Instructor/Tutor office hours are available on the website `Help Available`.

Webassign offers technical support and tutoring facilities. For **technical support**, click on the students support button at the upper right hand corner of the Webassign home page.

For **homework help** the Enhanced Webassign system gives a number of help options with each question.

- **Read it :** Brings you to the relevant section of the book.

- **Watch it :** Shows a video tutorial where someone works through a similar question.

- **Master it :** Helps you through a similar question in steps outlining the ideas involves in each step.

- **Chat about it :** Offers help through live online tutorials.

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Homework Schedule   Math 10560   Fall 2024

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Date	Day	Topic covered in class	HW appears	HW due
08/28	Wed.	6.1. Inverse Functions	Aug. 27	Sep. 2 **2:00 am**
08/30	Fri.	6.2*. The Natural Logarithmic Function	Aug. 28	Sep. 3 **2:00 am**
09/02	Mon.	6.3*. The Natural Exponential Function	Aug. 30	Sep. 5 **2:00 am**
09/04	Wed.	6.4*. General Log. and Exponential Function	Sep. 2	Sep. 9 **2:00 am**
09/06	Fri.	6.5. Exponential Growth and Decay	Sep. 4	Sep. 10 **2:00 am**
09/09	Mon.	6.6. Inverse Trigonometric Functions	Sep. 6	Sep. 12 **2:00 am**
09/11	Wed.	6.8. Indeterminate Forms and L'Hôpital's Rule	Sep. 9	Sep. 16 **2:00 am**
09/13	Fri.	NO CLASS (Inauguration)		
09/16	Mon.	7.1. Integration by Parts	Sep. 12	Sep. 19 **2:00 am**
09/18	Wed.	7.2. Trigonometric Integrals	Sep. 16	Sep. 23 **2:00 am**
09/20	Fri.	7.3. Trigonometric Substitution	Sep. 19	Sep. 26 **2:00 am**

09/23	Mon.	**Review for Exam 1**		
09/25	Wed.	Return and discussion of Exam 1		
09/27	Fri.	7.4. Integration by Partial Fractions	Sep. 24	Oct. 1 **2:00 am**
09/30	Mon.	7.4. Integration by Partial Fractions	Sep. 26	Oct. 3 **2:00 am**
10/02	Wed.	7.5. Strategy for Integration	Oct. 1	Oct 7 **2:00 am**
10/04	Fri.	7.7. Approximate Integrals	Oct. 1	Oct. 8 **2:00 am**
10/07	Mon.	7.8. Improper Integrals	Oct. 4	Oct. 10 **2:00 am**
10/09	Wed.	9.2. Direction Fields and Euler's Method	Oct. 7	Oct. 14 **2:00 am**
10/11	Fri.	9.3. Separable Equations	Oct. 9	Oct. 15 **2:00 am**
10/14	Mon.	9.5. Linear Equations	Oct. 15	Oct. 28 **2:00 am**
10/16	Wed.	**Review for Exam 2**		
10/18	Fri.	Return and discussion of Exam 2/Catch Up		
10/21	Mon.	Fall Break		
10/23	Wed.	Fall Break		
10/25	Fri.	Fall Break		
10/28	Mon.	11.1. Sequences	Oct. 18	Oct. 31 **2:00 am**
10/30	Wed.	11.2. Series	Oct. 28	Oct. 4 **2:00 am**
11/01	Fri.	11.3/11.4. p-series and comparison test	Oct. 30	Nov. 5 **2:00 am**
11/04	Mon.	11.4. The Comparison Tests	Nov. 1	Nov. 7 **2:00 am**
11/06	Wed.	11.5. Alternating Series	Nov. 4	Nov. 11 **2:00 am**
11/08	Fri.	11.6. Absolute Convergence and Ratio/Root Tests	Nov. 6	Nov. 12 **2:00 am**
11/11	Mon.	11.7. Strategy for Testing Series	Nov. 8	Nov. 14 **2:00 am**
11/13	Wed.	11.8. Power Series	Nov. 12	Nov. 18 **2:00 am**
11/15	Fri.	11.9. Functions as Power Series	Nov. 13	Nov. 19 **2:00 am**
11/18	Mon.	11.10. Taylor and Maclaurin Series	Nov. 18	Nov. 25 **2:00 am**
11/20	Wed.	**Review for Exam 3**		
11/22	Fri.	Return of Exam 3, Catch up/review		
11/25	Mon.	11.10. Taylor and Maclaurin Series	Nov. 22	Nov. 29 **2:00 am**
11/27	Wed.	Thanksgiving Break		
11/29	Fri.	Thanksgiving Break		
12/02	Mon.	11.11. Applications of Taylor Polynomials	Nov. 29	Dec. 5 **2:00 am**
12/04	Wed.	10.1. Curves Defined by Parametric Equations	Dec. 3	Dec. 9 **2:00 am**
12/06	Fri.	10.2. Calculus with Parametric Curves	Dec. 3	Dec. 10 **2:00 am**
12/09	Mon.	10.3. Polar Coordinates	Dec. 6	Dec. 12 **2:00 am**
12/11	Wed.	10.4. Areas and Lengths in Polar Coordinates	Dec. 7	Dec 12 **11:59 pm**