

MATH 144

Instructions for Online Homework (WebWork)

- *Purpose:* to give you extra practice doing problems with immediate feedback
- *When can I do it?* You can do these homework problems any time you like. Assignments are due at 11:59pm on the due date. Assignments become available after the material they cover has been covered in class. You can login, do some problems, then logout and come back later to finish.
- *How many times can I try a problem?* You may attempt each problem an unlimited number of times.
- *What's the first assignment like?* The first homework set is the Orientation, which you should logon and do right away. It's due on September 4.
- *How much is it worth?* **WebWork is 15% of your grade**, so take these assignments seriously.
- *Is there partial credit?* Yes, some problems do give partial credit.
- *What about late WebWork?* Assignments close after the due date and time, so **NO LATE WORK IS ACCEPTED**. You will get a 0 for any assignments not completed on time. If you have done part of an assignment, you will get credit for correct answers you have submitted.
- *Can I work with other students?* Yes, but you should be aware that your problems will look slightly different than anyone else's, because WebWork randomizes its problems. The basic content is the same for every student.
- *What if I'm just not good at typing math into a computer?* It's your responsibility to learn how to do this. I understand that this is a new way of doing homework for most of you, but you will get better at inputting your answers. (This is the main reason why you can attempt problems more than once.)
- *How can I get help?*
 - Dr. Long, during office hours or by email
 - The AARC or your SI: bring a printout of your problems
 - The "Email Instructor" Button: WebWork has an "Email Instructor" feature, which sends me an email (to my SFA email account) and allows me to write you back (to your SFA email account; not any other external account). I will do my best to respond to these emails in a timely manner. However, I am not always able to write back before assignments are due, and it is your responsibility to make sure your work is done on time. **DO NOT** send emails like the following:
 - "I'm sure I've got the right answer, but WebWork isn't accepting it."
 - "I just don't know what else to try."
 - "I don't know where to start this one."

You will NOT get a response to these types of emails. The following is a better example:

- "I tried this [insert explanation of what you tried here] and am not getting the right answer."

YOU ARE ON YOUR HONOR to do your WebWork assignments yourself. **Don't cheat.**

For instructions on logging in, see reverse.

LOGGING IN: The website is

http://hosted2.webwork.rochester.edu/webwork2/SFASU_mth144/

This is the website for all sections of 144 using WebWork. There is a link to this website on my website also.

Your username is your mySFA username and your password is also your mySFA username (it is **NOT** your mySFA pin/password!) For example, if your email address is longne@titan.sfasu.edu, you use

Username: longne

Password: longne

You should change your password after you login for the first time.

As the instructor, I can see information about your account on WebWork, including when you've logged in and how you've answered problems.

Syntax and Notation (Or, How to Input Your Answers)

Mathematical Symbols In WeBWork

- + Addition
- - Subtraction
- * Multiplication can also be indicated by a space or juxtaposition, e.g. $2x$, $2 x$ or $2*x$, also $2(3+4)$.
- / Division
- ^ or ** You can use either ^ or ** for exponentiation, e.g. 3^2 or $3**2$
- () You can also use square brackets, [], and braces, { }, for grouping, e.g. $[1+2]/[3(4+5)]$

Syntax for entering expressions

- Be careful entering expressions just as you would be careful entering expressions in a calculator.
- Don't enter $2/4+5$ (which is 5.5) when you really want $2/(4+5)$ (which is $2/9$).
- Don't enter $2/3*4$ (which is $8/3$) when you really want $2/(3*4)$ (which is $2/12$).
- Entering big quotients with square brackets, e.g. $[1+2+3+4]/[5+6+7+8]$, is a good practice.
- Is -5^2 positive or negative? It's negative. This is because the square operation is done before the negative sign is applied. Use $(-5)^2$ if you want to square negative 5.
- When in doubt use parentheses!!! :-)
- The complete rules for the precedence of operations, in addition to the above, are
 - Multiplications and divisions are performed left to right: $2/3*4 = (2/3)*4 = 8/3$.
 - Additions and subtractions are performed left to right: $1-2+3 = (1-2)+3 = 2$.
 - Exponents are taken right to left: $2^3^4 = 2^(3^4) = 2^81 =$ a big number.
- **Use the "Preview Button" to see exactly how your entry looks. E.g. to tell the difference between $1+2/3+4$ and $[1+2]/[3+4]$ click the "Preview Button".**
- `abs()` gives the absolute value