

Honors Pre-Calc Summer Assignment 2024

1. Your Honors Pre-Calc summer assignment will be completed using the website DeltaMath.

- If you have a delta math account, sign into your existing account. Go to TOOLS, then go to MANAGE LOGIN AND CLASSES. Under ADD A NEW CLASS, add the class code EQ7T-J7GL. This will link you to Mr. McClave's class Honors Pre-Calc 2024-2025. You'll see the assignment titled **Honors Pre-Calc Summer Packet 2024**
- If you do not have a DeltaMath account, create a new account at www.deltamath.com/students. Click "register", then enter the class code EQ7T-J7GL. You can then register your new account with google or register with your school email. This will link you to Mr. McClave's class Honors Pre-Calc 2024-2025. You'll see the assignment titled **Honors Pre-Calc Summer Packet 2024**.
- If you forgot your password, you can reset it. Try to login in with your email and a random password. After one failed login, a "forgot password" link appears. If you do not get an email, you should check your junk box for the reset link.
- If you have any trouble accessing your assignment, email me (email at the end of this note). **Do not wait until the night before the first day of school to start the assignment** because that will not be enough time and we will not be able to help you if you have trouble.

2. Your summer assignment is a review of some main concepts from Algebra II.

- This assignment is due on the first day of school and will count as a 10 point homework grade. It will be graded on both completeness and accuracy. In DeltaMath, each topic will list the number of problems you must get correct. You can use sample problems and watch videos in Delta Math for help. Have your pencil, paper, and calculator handy as you do this assignment. Khan Academy is also a source you can use for extra help. You will have a test on this material the third day of school. Two school days are not enough time to re-learn all of that material. It is your responsibility to come to school the first day with only the questions you could not work out on your own.
- Please note that the % in upper right hand corner keeps track of your percent complete of ENTIRE ASSIGNMENT.
- Some of the topics do not require written work and some do. For the topics in which you do not need to submit written work, simply do the problems in Deltamath and continue to work until you get the number correct that is required for that problem set. For the topics that do require written work, first write the name of the topic and then number your work for each problem. If you get stuck and need help, click show solution and take notes on how to do the problem. You can also watch a video and/or look at a sample problem for additional help. Continue work until you get the number required correct. I will be able to see how many problems you try and whether you get each one right or wrong. Include the written work for the required problems along with any notes you took to help you figure out the topic.
- On the first day of school, I will collect your written work. I will use this along with your results in DeltaMath to grade your assignment.

➤ Here is a list of all of the topics for your summer assignment. Anything with WW next to it means it requires written work that you should hand in on the first day of school.

✚ Factor Trinomials ($a > 1$) Level 2
✚ Factor Trinomials ($a = 1$)
✚ Simplifying Radicals (Nth Root)
✚ Combine Radicals/Fractional Exponents
✚ Visual Domain and Range
✚ Transform Functions Mixed (Level 2)
✚ Finding Maximum/Minimum Values with Technology
✚ <u>Add/Subtract Complex Numbers</u>
✚ Multiply Complex Numbers WW
✚ Complex Numbers to Powers

✚ Quadratic Formula WW
✚ Writing Equations of Lines
✚ Lines from Two Points (Point Slope Form)
✚ Composition of Functions WW
✚ Determine if Set of Points is a Function
✚ Determine if a Graph is a Function
✚ Linear Regressions
✚ Complex Roots (Level 3)
✚ Exponential Rules (Level 3)
✚ Radical Equations (Level 2) WW
✚ Solving Logarithmic Equations (Quadratic) WW
✚ Solving Natural Log Equations WW

✚ Multi-step Function Inverses (Level 2)
✚ Exponential Eqns Common Base (Level 2)
✚ Solving Exponential Equations (Level 1)
✚ Evaluate Logarithms (Level 3) WW

*For composition of function, remember $g \circ f \circ (-1)$ is the same as $g(f(-1))$ *

For finding center and radius from equation, remember you will need to complete the square

✚ Graphing Quadratic and Linear Systems
✚ Find Circle Center and Radius from Equation (General Form) WW
✚ Exponential from Two Points (Level 1) WW
✚

End Behavior Graphically

Also, please set up your binder for the first day of school.

Honors Pre-Calc Binder Requirement:

It is required that you get a large binder (at least 2 inches thick) with dividers. Put lined paper and graph paper in your binder.

Section 1 – Notes and homework

Section 2 – Vocabulary and formulas

Section 3 – Tests and Quizzes

In addition, you will need a zippered pouch with three holes that will hold your materials in your binder. Include the following tools:

1. At least 6 pencils
2. TI-84 calculator
3. Ruler (cm and inches, could be small)
4. Protractor
5. Colored Pencils

I look forward to working with you next year!

Mr. McClave

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