

Pre-Calculus Summer Assignment 2024

Your PreCalculus summer assignment will be completed using the website DeltaMath.

If you already have a DeltaMath 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 RQ9E-Y7M5. This will link you to Mrs. Jakobsen's class PreCalculus Summer Assignment 2024. You'll see the assignment titled **PreCalculus Summer Assignment 2024**.

If you do not have a DeltaMath account, create a new account at deltamath.com/students. Click "Register" then enter the course code: RQ9E-Y7M5. You can then register your new account with Google or register with your school email. This will link you to Mrs. Jakobsen's class PreCalculus Summer Assignment 2024. You'll see the assignment titled **PreCalculus Summer Assignment 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 don't get an email, you should check your junk box for the reset link.

If you have any trouble accessing your assignment, email me at djakobsen@nwr7.org. Don't wait until the night before the first day of school to start the assignment because 1. That will not be enough time and 2. I won't be able to help you if you have trouble.

Your summer assignment is a review of the main concepts from Algebra 2. This assignment is due on the first day of school (August 28th) and will count as a 25 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. Some of the topics do not require written work and some do. For the topics that do require written work (see next page), 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. If the topic requires 2 correct problems, continue work until you get 2 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 2 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.

Khan Academy is another source you can use for extra help. You will have a test on this material the fourth day of school. Three 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.

Also, set up your binder and get the materials needed for the first day of school.

Pre-Calculus Binder Requirement:

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

Section 1 – Openers

Section 2 – Notes and homework

Section 3 – Vocabulary and formulas

Section 4 – Tests and Quizzes

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. Protractor
4. Ruler (cm and inches, could be small)
5. Colored Pencils

Summer Assignment Topic List:

Do ALL of the topics listed in the assignment. Some of the topics for your summer assignment that also require written work.

⊕ Determine if Set of Points is a Function	
⊕ Determine if a Graph is a Function	
⊕ Function Notation with Points on a Graph	
⊕ Visual Domain and Range	
⊕ Find Domain and Range with Technology	
⊕ Increasing vs. Decreasing & Pos vs. Neg (Level 2)	
⊕ Identify Relative Extrema Graphically	
⊕ Identify Function Type Given Graph	
⊕ Transformations of Functions	
⊕ Composition of Functions	Written work
⊕ Composition of Functions (with x)	Written work
⊕ Select Form to Find Quadratic Feature	
⊕ End Behavior Graphically	
⊕ End Behavior Algebraically	
⊕ Write Polynomial Function From Graph	Written work
⊕ Graph Factored Polynomial from Roots	Written work
⊕ Solving Quadratics by Factoring	
⊕ Mixed Multistep Factoring	
⊕ Mixed Multistep Factoring (Equation)	
⊕ Add/Subtract Complex Numbers	
⊕ Multiply Complex Numbers	Written work
⊕ Complex Roots (Level 1)	Written work
⊕ Determine Number of X-Intercepts	
⊕ Simplify Rational (Trinomial Only)	Written work
⊕ Simplifying Rationals	Written work
⊕ Multiplying / Dividing Rationals (Level 1)	Written work
⊕ Multiplying / Dividing Rationals (Level 1)	Written work
⊕ Adding / Subtracting Rational Expressions (Level 1)	Written work
⊕ Adding / Subtracting Rational Expressions (Level 2)	Written work

I look forward to working with you next year!

Mrs. Jakobsen

djakobsen@nwr7.org