



Math Summer Assignments (2026-27)

All Math Summer Assignments are due on Wednesday, August 26.

Congratulations on being a part of the Governor's School at Innovation Park! Our school year is very busy, so it is important to build a good math foundation to prepare yourself well for this upcoming year. The summer assignment is optional, but highly recommended.

Click the link corresponding to your Fall 2026 Math Class:

1. [Precalculus & Calculus I](#)
2. [Calculus II](#)
3. [Calculus III](#)

1. Instructions for Precalculus & Calculus I

You will have 2 options for completing the Math Summer Assignment:

Precalculus and Calculus I: Option 1: Paper/Pencil Assignment.

- Find your First Semester Math class on the Governor's School Summer Assignment webpage and download the file.
- Submit your work to your teacher on 8/26/2026. Do not just copy the answer key. Make sure you **SHOW YOUR WORK.**
- **NO CALCULATOR.** You may check your answers with a calculator, but you will be expected to do each of these exercises without one.

Precalculus and Calculus I: Option 2: Khan Academy: for both students who are taking Precalculus or Calculus 1 in the Fall:

- WATCH THIS VIDEO FIRST.** If you can't access it, follow the instructions below.
- Log into your PWCS account, then log into the PWCS Portal.
 - All students whose base school is in PWCS should be able to log into the PWCS Portal.
 - If your base school is Manassas City School District (Osborn H.S.) or Manassas Park, you may experience a delay in getting your login information.
 - If you cannot get into the PWCS Portal, then do Option 1, the paper/pencil assignment.
- Join the Khan Academy assignment by doing the EITHER of the following:
 - Clicking this [Join Link for the Khan Academy Summer Assignment](#) OR
 - Log into Khan Academy. Under "My Account," go to "Teachers", then "Join a Class" and click on "Enter a Class Code."
 - Join by entering the following Class Code: **CF7V8G5V**
 - See the next page for some helpful screenshots:

Explore Khan Academy Khanmigo Steven Ma

Start leveling up and building your weekly streak! 0 week streak Level 1 0 / 1 skill

 **Steven Ma**
Pick a username - [Add your bio](#) [Edit Profile](#)

1,190 0 0 0 0 2 1 1

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My teachers and tutors

Teachers have access to all of your Khan Academy data. Your student id is kaid_283273992934427878171355

Join a class
[Enter a class code](#)

Add a teacher
Enter your teacher's email address:
 [Add a teacher](#)

Your teachers
You have no coaches! Why not try adding one?

Join your class on Khan Academy

Enter your class code

C F 7 V 8 G 5 V

Continue

- D. You should now be in a class titled: **"GS@IP Juniors Summer Assignment 2026-27"**
- E. You should see a list of assignments to do. You can re-do each assignment as many times as you want to get a higher score.

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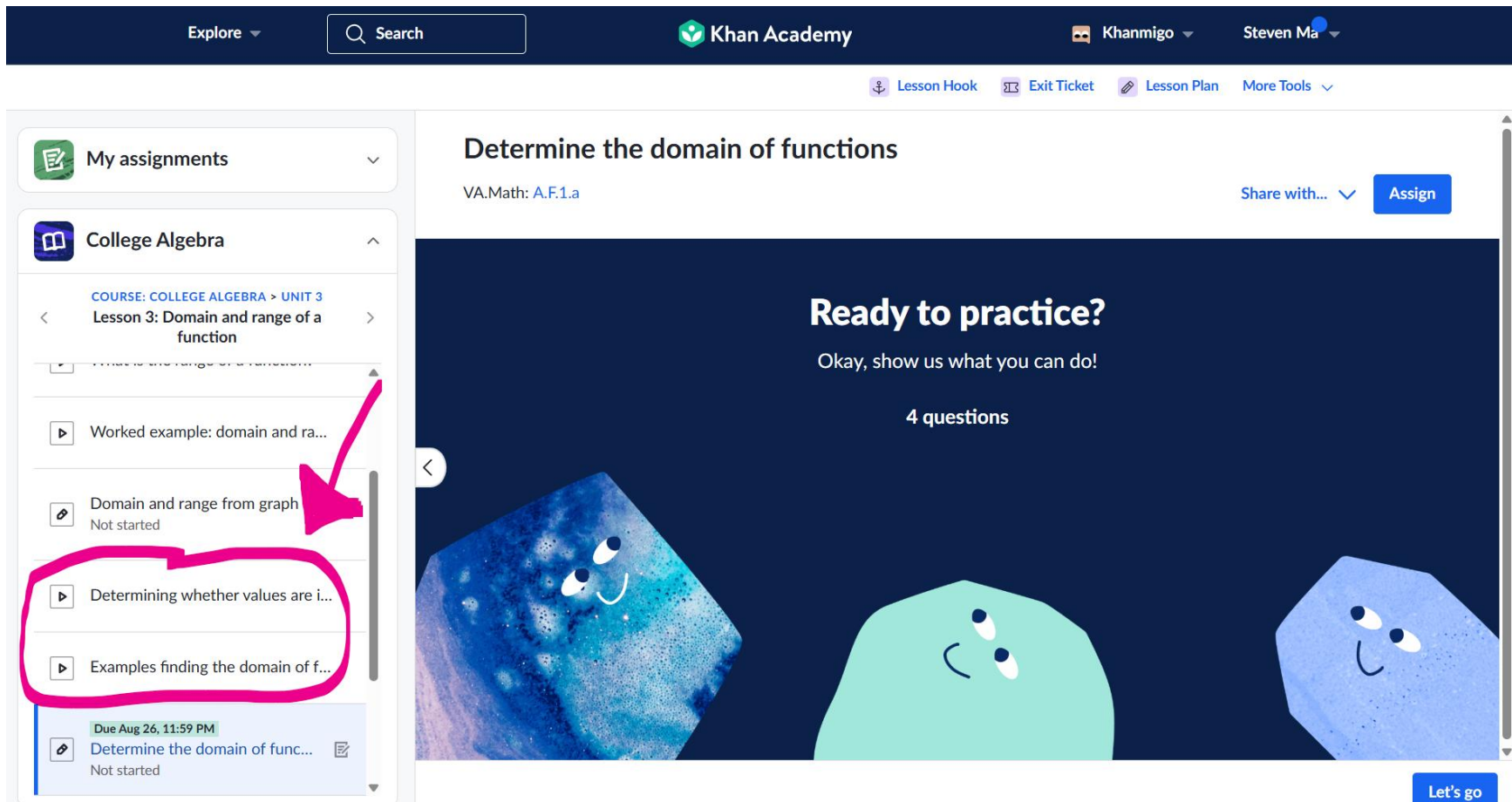
F. In addition to the exercises listed online, do these 3 exercises sets while logged into Khan Academy:

- [Khan Academy: Factoring Sum and Difference of Cubes](#)
- [Khan Academy: Factoring by Substitution and Grouping](#)
- [Khan Academy: Rationalizing the Denominator](#)

G. Here is a list of the assignments you should see when you join the Khan Academy classroom:

GS@IP JUNIORS SUMMER ASSIGNMENT 2026-27		GS@IP JUNIORS SUMMER ASSIGNMENT 2026-27	
My assignments		My assignments	
Active Past		Active Past	
ASSIGNMENT	DUE DATE & TIME	ASSIGNMENT	DUE DATE & TIME
★ Determine the domain of functions	Aug 26th, 11:59 PM	★ Piecewise functions graphs	Aug 26th, 11:59 PM
★ Factor quadratics by grouping	Aug 26th, 11:59 PM	★ Relationship between exponential...	Aug 26th, 11:59 PM
★ Difference of squares	Aug 26th, 11:59 PM	★ Use the properties of logarithms	Aug 26th, 11:59 PM
★ Perfect squares	Aug 26th, 11:59 PM	★ Exponential model word problems	Aug 26th, 11:59 PM
★ Quadratics by factoring	Aug 26th, 11:59 PM	★ Trig values of $\pi/6$, $\pi/4$, and $\pi/3$	Aug 26th, 11:59 PM
★ Rational equations	Aug 26th, 11:59 PM	★ Trig identities from reflections and...	Aug 26th, 11:59 PM
★ Multiply & divide rational expressi...	Aug 26th, 11:59 PM	★ Trig values of special angles	Aug 26th, 11:59 PM
★ Add & subtract rational expression...	Aug 26th, 11:59 PM	★ Evaluate inverse trig functions	Aug 26th, 11:59 PM
★ Add & subtract rational expressions	Aug 26th, 11:59 PM		
★ Evaluate piecewise functions	Aug 26th, 11:59 PM		

- H. If you need help on any assignment, you can watch the YouTube videos and articles that are associated with the assignment. For example, if I need help with the first lesson, "Determine the domain of functions", I can look at the left margin of the screen and watch the videos just before it, as shown in the screenshot below.



The screenshot displays the Khan Academy interface for the assignment "Determine the domain of functions". The top navigation bar includes "Explore", "Search", "Khan Academy", "Khanmigo", and the user name "Steven Ma". Below the navigation bar, there are links for "Lesson Hook", "Exit Ticket", "Lesson Plan", and "More Tools".

The left sidebar shows the "My assignments" section, which includes "College Algebra" and "Lesson 3: Domain and range of a function". A pink arrow points to the video "Determining whether values are i..." which is circled in pink. Other videos listed include "Worked example: domain and ra...", "Domain and range from graph", and "Examples finding the domain of f...".

The main content area displays the assignment title "Determine the domain of functions" with the course code "VA.Math: A.F.1.a". It includes a "Share with..." button and an "Assign" button. The main content area also features a "Ready to practice?" section with the text "Okay, show us what you can do!" and "4 questions". The background of the main content area shows three cartoon characters.



2. Instructions for Calculus II

- Log into the PWCS Portal with your PWCS credentials.
- Click on Khan Academy. Then join the class through this [join link](https://www.khanacademy.org/join/Y2Y4NJDA):
 - <https://www.khanacademy.org/join/Y2Y4NJDA>
 - Alternatively, you may join using the following class code: **Y2Y4NJDA**
- You will receive an email from Mrs. Chapman in your PWCS email on July 1 with instructions on what to do.
- Submit your work to your teacher on 8/26/2026. Do not just copy the answer key. Make sure you **SHOW YOUR WORK.**

3. Instructions for Calculus III

- Find your First Semester Math class on the Governor's School Summer Assignment webpage and download the file.
- Submit your work to your teacher on 8/26/2026. Do not just copy the answer key. Make sure you **SHOW YOUR WORK.**

I hope this information helps you prepare well. See you in the Fall!

- Sincerely, the GS@IP Math Teachers: Mr. Ben Chouikha, Mrs. Chapman, Mr. Ma and Mr. Verma