

Pre-Calculus: Summer Learning Packet

We want to welcome you to Pre-calculus for the 2018-2019 school year. As you enjoy some time off this summer, we also want to ensure you are exercising the math portion of your brain! Below you will find a list of topics that you must review prior to the start of the new school year. The topics are divided by weeks to help you manage your time and workload. However, if you are in need to change the dates of any of the topics you have the flexibility to complete the work in your own timeframe.

Sincerely,

The Pre-Calculus Math team

Students MUST complete five problems in a row correctly for all of the topics above to earn full credit. Partial credit will be awarded as described below. If you struggle on any of the problems, please reference the videos for each topic and/or look for hints found on the right hand side of your screen when attempting a problem. Please note you do not have to complete all problems in one sitting. Khan Academy will remember where you left off. Be sure to log-in every time you do additional work!!

Grading for Khan Academy for each topic:

Credit can only be awarded for any work completed after June 21st, 2018
0 correct: 0 points
1 correct: 2 points
2 correct: 4 points
3 correct : 6 points
4 correct: 8 points
5 correct: 10 points (if applicable)

Khan Academy – YOU MUST LOG IN TO HAVE KHAN ACADEMY GIVE YOU CREDIT FOR YOUR WORK. How to Log Into Khan Academy to complete your summer work:

If you do not have an account yet:

1. Go to khanacademy.org
2. Click on Start Learning Now
3. Click on Sign in with Gmail
4. Create an Account with your SHELTON account
5. Type in the Search Engine Bar The topic you would like to complete or click on the link provided

If you have an account already with your Shelton email:

1. Go to khanacademy.org
2. Click on the log in button on the top right hand side of the screen
3. Log in with your email and password
4. Type in the Search Engine Bar the topic you would like to complete or click on the link provided

Summer Work Topics for Pre-Calculus: YOU MUST LOG IN TO HAVE KHAN ACADEMY GIVE YOU CREDIT FOR YOUR WORK☺

Week	Topic	Link	Checklist
Week #1: June 25th – July 1st	Factor Perfect Squares	http://tinyurl.com/zv9y8lb	
Week #2 July 2nd – July 8th	Factoring Quadratics	http://tinyurl.com/pziz9eu	
Week #3 July 9th- July 15th	Factor Polynomials: Quadratics Advanced	http://tinyurl.com/qxg9ccq	
Week #4 July 16th – July 22nd	Find Zeros of Polynomials	http://tinyurl.com/jfoafpn	
Week #5 July 23rd – July 29th	End Behavior of Polynomials: Even / Odd Function	http://tinyurl.com/z2v2rlo	
Week #6 July 30th – August 5th	Distance Formula	http://tinyurl.com/pmebbx3	
Week #7 August 6th – August 12th	Special Right Triangles	http://tinyurl.com/mncy46w	
Week #8 August 13th – August 19th	Simplifying Square roots	https://tinyurl.com/yah8ju2p	
Week #9 August 20th – August 26th	Quadratic Formula: Solving Quadratic Equations	http://tinyurl.com/pmze7xj	
Week #10 August 27th– September 3rd	Midpoint Formula	http://tinyurl.com/mdmjc6h	