












Algebra II: Summer Learning Packet

We want to welcome you to Algebra II 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.

Directions:

Complete the following IXL sets by logging into your IXL account. Please be sure to login so that your teacher can see the completed work. You must get an 80% and complete at least 10 questions. If you do not get an 80% please, continue to work on problems until you reach the goal.

All topics are from Algebra I on IXL.com

| Week #1: July 9th - July 15th | Completed? |
|---|-------------------|
|  B.4 Add and subtract rational numbers | |
|  B.5 Multiply and divide rational numbers | |
| Week #2 July 16th – July 22nd | |
| EE.1 Simplify radical expressions | |
| Week #3 July 23rd – July 29th | |
|  U.2 Solve a system of equations by graphing | |
|  U.8 Solve a system of equations using substitution | |
|  U.10 Solve a system of equations using elimination | |
| Week #4 July 30th – August 5th | |
|  Z.4 Add and subtract polynomials | |
|  Z.6 Multiply a polynomial by a monomial | |
|  Z.8 Multiply two binomials | |
| Week #5 August 6th – August 12th | |
|  BB.6 <u>Solve a quadratic equation using the zero product property</u> | |
|  BB.10 <u>Solve a quadratic equation using the quadratic formula</u> | |
| Week #6 August 13th – August 19th | |
|  AA.4 Factor quadratics with leading coefficient 1 | |