**Precalculus Honors**

In an effort to maintain all of the knowledge and skills that you have acquired this school year, we have prepared a list of topics on IXL that we would like you to work on this summer. We ask that you **spend 30 minutes or reach a SmartScore of 80 on each skill**, whichever comes first. To access this practice, go to https://www.ixl.com/signin/garrisonforest. Enter your username and password to sign in. If you are new to Garrison Forest School, or have forgotten your IXL login, please contact our department chair, Mr. Beam, at jamesbeam@gfs.org. Use the search bar at the top of the page and enter the shortcut code to find a skill. Do your best and make sure not to save this all until the very end. Have a wonderful summer and we will see you in the fall!

Mr. Beam, Mrs. Brown, Mrs. Yapsuga, Ms. Browne, and Ms. Riesenfeld

| Skill Name | Shortcut Code |
|---|---|
| Slope-intercept form: write an equation | A42 |
| Solve a system of equations using any method | FT6 |
| Factor polynomials | TAH |
| Solve a quadratic equation by factoring | CSS |
| Solve a quad. equation by completing the square | XCL |
| Solve a quad. equation using the quad. formula | XCF |
| Simplify radical expressions: mixed review | YZC |
| Add, sub., multiply, and divide complex numbers | CEN |
| Domain and range of polynomials | Y86 |
| Comp. of linear and quad. funct.: find an equation | EKJ |
| Graph a quadratic function | S9G |
| Transformations of quadratic functions | KQL |
| Multiply and divide rational expressions | MG2 |
| Add and subtract rational expressions | FEX |
| Evaluate logarithms using properties | RNH |
| Solve a right triangle | DPP |