

## Summer Bridge - to PreCalculus

**It is expected that students should have mastered basic math facts** (including quick recall of multiplication tables through 12 and operations with decimals, fractions, and integers), **as well as algebraic and trigonometric operations** (basically everything listed below).

Below is the link for online chapter tests from Glencoe Algebra II. Completing these over the summer will ensure a smooth transition into PreCalculus in the fall. Whether or not you completed Glencoe Algebra II or another curriculum, these exercises will be beneficial to you over the summer.

<http://glencoe.mcgraw-hill.com/sites/0078884829/sitemap.html?resource=chaptertest>

(Following the link, you will see the chapters listed as below.)

### Chapter Test

- Chapter 0: Preparing for Advanced Algebra
- Chapter 1: Equations and Inequalities
- Chapter 2: Linear Relations and Functions
- Chapter 3: Systems of Equations and Inequalities
- Chapter 4: Matrices
- Chapter 5: Quadratic Functions and Relations
- Chapter 6: Polynomials and Polynomial Functions
- Chapter 7: Inverses and Radical Functions and Relations
- Chapter 8: Exponential and Logarithmic Functions and Relations
- Chapter 9: Rational Functions and Relations
- Chapter 10: Conic Sections
- Chapter 11: Sequences and Series
- Chapter 12: Probability and Statistics
- Chapter 13: Trigonometric Functions
- Chapter 14: Trigonometric Identities and Equations

### Instructions:

For each chapter, please

1. Complete the online test and click 'check it' at the bottom of the test.
2. If you are unsure of how to work a problem, use the 'Program Resources' and 'Lesson Resources' in the left hand column of your screen. The 'Math Review' listed under 'Additional Resources' may also be helpful.