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**Unit 1 Syllabus – Tools of Geometry**

This syllabus is a guide only and is subject to change. Any changes to the homework assignment will be written on the board and electronically. Your responsibility is to check the board each day and copy the correct assignment into your planner. **No Problem/Work = No Credit!**

Virginia SOL Standards

G.3a The student will use pictorial representations including computer software, constructions, and coordinate methods, to solve problems involving symmetry and transformation. This will include investigating and using formulas for finding distance, midpoint, and slope.

G.4 The student will construct and justify the constructions of…

G.4a… a line segment congruent to a given line segment

G.4b… the perpendicular bisector of a line segment.

G.4.e … the bisector of a given angle.

G.4f…. an angle congruent to a given angle

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| **Day #** | **Date** | **Topic** | **Assignment** |
| **1** | 8/17Wed | Introduction Algebra I Review Questions\*\*Need Graph Paper | Signed Papers; Notebook Set up |
| **2** | 8/18Thurs | Continue Algebra I Equations Review | p. 872 #1-14 all; Quiz tomorrow |
| **3** | 8/19Fri | Continue Algebra I Review | None |
| **4** | 8/22Mon | 1.2 Basic Geometry Terms | p. 13 # 8-24 (all) omit 18 |
| **5** | 8/23Tues | 1.2 Basic Geometry Terms | p. 17-19 # 7-9, 11-23 (odd); #24-27, # 48-50(all) |
| **6** | 8/24Wed | 1-3 Measuring Segments | Quiz Tomorrow: Basic Geometry Terms and Equations |
| **7** | 8/25Thurs | Quiz Continue 1-3 Measuring Segments | p. 25-27 #14, #19, #33-34 |
| **8** | 8/26Fri | 1-3 Measuring Segments | Worksheet; Quiz Monday 1.3 |
| **9** | 8/29Mon | Quiz 1.3; 1.4 Measuring AnglesNaming Angles | Naming Angles Worksheet |
| **10** | 8/30Tues | 1-4 Measuring Angles | p. 33-35 #7-8; #14-22; #28-29; 35-36 |
| **11** | 8/31Wed | Combination Measuring Segments and Angles | Worksheet Puzzle Quiz Tomorrow 1.3 and 1.4 |
| **12** | 9/1Thurs | Quiz 1.3 and 1.4Substitute | Review Sections 1.2 to 1.4 |
| **13** | 9/2Fri | 1-5 Exploring Angle Pairs | None |
| **14** | 9/5Mon | Labor Day NO SCHOOL | NO SCHOOL |
| **15** | 9/6Tues | 1-5 Exploring Angle Pairs p. 40-41 #5-22(all) | Finish Classwork/Puzzle if needed |

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| **16** | 9/7Wed | 1.5 Exploring Angles | p. 41-42 # 23-36(all) ;42-50(all) |
| **17** | 9/8Thurs | Review 1.2 to 1.5 (need only 1.5)Radical Review | Test Chapter 1 Part I Tomorrow |
| **18** | 9/9Fri | Test Sections 1-2 to 1-5 | Radical Review Worksheet; Supplies: Be sure to have a compass; protractor; and ruler for class on Monday |
| **19** | 9/12Mon | 1.6 Basic Constructions | p.53-55 #8-12 (all); #33-37;42-44 (all) |
| **20** | 9/13Tues | 1.6 Basic Constructions | p. 53-55 #13-18 (all); #22-24; #33-37; #42-44 |
| **21** | 9/14Wed | 1-7 Midpoint and Distance in the Coordinate Plane | p. 60 # 16-25(all) |
| **22** | 9/15Thurs | 1-7 Midpoint and Distance in the Coordinate Plane | p. 63-64 #8-12 (all)#19; ; #25-31 (all) |
| **23** | 9/16Fri | Continued Practice with Constructions and Midpoint/Distance Formula | Complete Classwork  |
| **24** | 9/19Mon | Review: p. 80 – 82 Selected Questions | Test Tomorrow; Notebook Collection |
| **25** | 9/20Tues | Chapter 1 Test | Set up Chapter 2 Notebook; Cumulative Review |