

**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

|  |  |  |  |
| --- | --- | --- | --- |
| **Day #** | **Date** | **Topic** | **Assignment** |
| **1** | 8/19  Tues | Introduction  \*\*Need Graph Paper by Wednesday 8/27 | HW: Textbook/Calculator Distribution Forms; Online Textbook Log – in; Course Expectation Sheet |
| **2** | 8/20  Wed | Review Equations | Equation Worksheet |
| **3** | 8/21  Thurs | Continue Review Equations | Equation Worksheet |
| **4** | 8/22  Fri | Benchmark Testing | Downstairs Lab |
| **5** | 8/25  Mon | Review Simplify Radicals | Radical Worksheet |
| **6** | 8/26  Tues | Complete Review with Assessment at end of period | Need Graph Paper |
| **7** | 8/27  Wed | 1-2 Basic Geometric Terms | p. 13 # 8-24 (all)  (need graphing coordinates) |
| **8** | 8/28  Thurs | 1-2 Basic Geometric Terms | p. 17-19 # 6-33 (all); 35-50(all) |
| **9** | 8/29  Fri | 1-3 Measuring Segments | p. 25-27 #8-14 (all); #36-47(all) |
| **10** | 9/2  Tues | 1-3 Measuring Segments | p. 25-27 #15-35 (all) |
| **11** | 9/3  Wed | 1-3 Measuring Segments | p. 24 Lesson Check |
| **12** | 9/4  Thurs | 1-4 Measuring Angles | p. 33-35 #6-30(all); 32-40(all) |
| **13** | 9/5  Fri | 1-4 Measuring Angles | p. 872 # 1-12 (all) – Review Solving Equations |
| **14** | 9/8  Mon | Review – 1.2 to 1.4 | Study Quiz Tomorrow |
| **15** | 9/9  Tues | Continue Review 1.2 to 1.4 | Practice 1.4 Worksheet |
| **16** | 9/10  Wed | 1-5 Exploring Angle Pairs | p. 40 #5-21(odd) |
| **17** | 9/11  Thurs | 1-5 Exploring Angle Pairs | p. 41-42 # 22-36(all) ;39-50(all) |
| **18** | 9/12  Fri | Review Sections 1-2 to 1-5 | p. 43-45 #1-3(all); #6-24(all) |
| **19** | 9/15  Mon | Test Sections 1-2 to 1-5 | Supplies: Be sure to have a compass; protractor; and ruler for class on Monday |
| **20** | 9/16  Tues | 1.6 Basic Constructions | p.53-55 #7-12 (all); #33-44 (all) |
| **21** | 9/17  Wed | 1.6 Basic Constructions | p. 53-55 #13-18 (all); 20-30 (all) |
| **22** | 9/18  Thur | 1-7 Midpoint and Distance in the Coordinate Plane | p. 60 # 4-19(all); #21; #23-25 (all) |
| **23** | 9/19  Fri | 1-7 Midpoint and Distance in the Coordinate Plane | p. 63-64 #6-23 (all); #25-35 (all) |
| **24** | 9/22  Mon | Continued Practice with Constructions and Midpoint/Distance Formula | Review Sheet |
| **25** | 9/23  Tues | 1-8 Perimeter, Circumference, and Area | p. 70-71 #5-16 (all); #18-21(all) |
| **26** | 9/24  Wed | 1-8 Perimeter, Circumference, and Area | p. 75-77 #5-21 (all); #23-25 (all); #29-32 (all); 33-42(all) |
| **27** | 9/25  Thurs | Review: Pull it All Together | p. 80 – 82 #1-19 (all) |
| **28** | 9/26  Fri | Review 1-2 to 1-8  Cumulative Test Prep  p. 84-84 # 1- 25 (all) | Test Tomorrow- Study  Notebooks due tomorrow – ready to collect when you walk into the room. |
| **29** | Mon  9/29 | Test Chapter 1 | Set up Chapter 2 Notebook  Get Ready p. 87 # 1-20 (all) |