

Name: _____ Due Date: _____ Your Points: _____ / 200 points

Assignments marked with ** are required.

Day 1: The Building Blocks of Geometry (15 points)

- _____ 1. **Notes on the lesson (5 points)
- _____ 2. Poster on the undefined terms and their symbols (5 points)
- _____ 3. Verbal quiz on symbols/ terms (5 points)
- _____ 4. Find or draw pictures demonstrating a point, line, plane, segment and ray (5 points)
- _____ 5. Complete problem set [pp. 5-6 (1-22 all)] (10 points)

Day 2: Angles (15 points)

- _____ 1. ** Notes on the lesson (5 points)
- _____ 2. Demonstrate how to measure an angle with a protractor (5 points)
- _____ 3. Write a good paragraph explaining the parts of an angle and how to name and classify an angle (10 points)
- _____ 4. Complete Activity 1.4 (pp. 33-34), be able to demonstrate how to copy an angle or a segment (10 points)
- _____ 5. Complete problem set [pp. 28-29 (1-21 all)] (10 points)

Day 3: Segment and Angle Addition Postulates (15 points)

- _____ 1. **Notes on the lesson (5 points)
- _____ 2. Verbal quiz (no calculator allowed) (5 points)
- _____ 3. Write a good paragraph explaining what a postulate is and give 3 examples of postulates (5 points)
- _____ 4. Write 5 problems that would require a student to use either the Segment Addition Postulate or the Angle Addition Postulate to solve. At least one must be a word problem. Include your solutions. (10 points)
- _____ 5. Complete problem set [pp. 12-13 (6-12 all & 21-26 all) & pp. 29-30 (22-24 all & 29-31 all)] (10 points)

Day 4: Good Definitions and Counterexamples (20 points)

- _____ 1. ** Notes on lesson and complete "Defining Angles" activity (10 points)
- _____ 2. Verbal quiz on definitions discussed so far this chapter (5 points)
- _____ 3. Answer the following questions in complete sentences (5 points)
 - a. What's the difference between complementary and supplementary angles?
 - b. What's the difference between adjacent angles and a linear pair of angles?
 - c. If two angles are supplementary, are they necessarily a linear pair?
 - d. What makes a pair of angles vertical angles?
- _____ 4. Complete practice 1.3 "What's a Widget?" (10 points)
- _____ 5. Complete problem set [pp. 38-39 (1-27 odd)] (10 points)

Day 5: Polygons (15 points)

- _____ 1. **Notes on lesson (5 points)
- _____ 2. Verbal quiz on types of polygons (5 points)
- _____ 3. Poster with at least 5 different polygons (by side number or side/angle measures) (5 points)
- _____ 4. Display 5 examples of convex or concave polygons with classifications (5 points)
- _____ 5. Complete problem set [pp. 44-45 (1-14 all)] (10 points)

Day 6: Triangles (15 points)

- _____ 1. **Notes on lesson (5 points)
- _____ 2. Verbal quiz on triangles (5 points)
- _____ 3. Write a good paragraph explaining the different ways you can classify triangles (5 points)
- _____ 4. Answer the following questions in complete sentences (5 points)
 - a. Without using a ruler, how can you tell if sides are congruent if they don't have their lengths labeled?

- b. Without using a protractor, how can you tell if angles are congruent if they don't have their measures labeled?
- c. What symbol must be used if a triangle is a right triangle, but it does not have 90° written at any vertex?
- d. How do you find the perimeter of any triangle?

_____ 5. Complete practice 1.5 "Triangles" (10 points)

Day 7: Circles (15 points)

- _____ 1. **Notes on lesson (5 points)
- _____ 2. Verbal quiz on circles (5 points)
- _____ 3. Poster with all parts of a circle labeled (5 points)
- _____ 4. Write a good paragraph explaining how to find the measure of an arc and how to classify the arc (5 points)
- _____ 5. Complete practice 1.7 "Circles" (10 points)

Day 8: Space Geometry (15 points)

- _____ 1. **Notes on lesson (5 points)
- _____ 2. Complete Investigation "Space Geometry" (5 points)
- _____ 3. Match nets with their geometric solids (5 points)
- _____ 4. Draw the horizontal and vertical cross sections of each type of solid discusses (10 points)
- _____ 5. Poster with at least 4 examples of geometric solids found in real life (5 points)

Day 9: Computer Lab/Review Day (15 points)

- _____ 1. Visit the site <http://www.keymath.com/x19381.xml> and click on at least three of the links. Type a 3-5 sentence paragraph for each site you visited and how it relates to geometry. (10 points)
- _____ 2. Type a one page summary of what you have learned this unit. Include specific topics and examples. Also tell if you didn't understand any of the topics. Print a copy of your summary and be sure to save it in your documents. (10 points)
- _____ 3. Using Geometer's Sketchpad, create at least 8 of the different types of geometric figures we have discussed this unit. Items must be labeled in your file. Print a copy of sketches and be sure to save it in your documents. (10 points)
- _____ 4. At www.classzone.com complete the Animated Math for Section 1.1 (Points, Lines, and Planes). Type a 4-6 sentence paragraph explaining what you did and different geometry vocabulary you used. (5 points)
- _____ 5. At www.classzone.com complete the Animated Math for Section 1.6 (Polygons). Type a 4-6 sentence paragraph explaining what you did and different geometry vocabulary you used. (5 points)

Day 10: Test Day (60 points)

- _____ 1. ** Take test over Unit 1 (50 points)
- _____ 2. Turn in binder with all notes and assignment records (10 points)
- _____ 3. Turn in vocabulary list with complete definitions (10 points)
- _____ 4. Write 2 good paragraphs. The first should describe how angles might be used in a career. The second should explain how polygons or geometric solids might be used in a career. (10 points)

Grading Scale

A: 184-200

B: 168-183

C: 150- 167

D: 134-149

F: 0-133