



Ms. Lindsey Murt  
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Honors Geometry      Prerequisite: Algebra 1      School Year: 2016-2017

**Catalog Description:** In this course, emphasis is placed on reasoning, discovery, and realistic applications of geometric relationships and principles. Topics include constructions, inductive and deductive reasoning, points, lines, planes, angles, triangles, planar figures, similarity and congruence, circles, geometric solids, area, volume, coordinate geometry, and transformations. Appropriate use of calculators and computers is integrated throughout the course.

**Materials Needed:**

- ✓ Graphing Calculator (TI-83+, TI-83 SE, TI-84, or TI-84 SE)
- ✓ 3 ring binder and loose leaf paper OR spiral notebook and folder
- ✓ Graph paper
- ✓ Pencils (No pens!!!)
- ✓ Small protractor

**Grading:**

*Daily Classwork/Homework (10%):* Assignments will be graded based on completion and accuracy. In order to receive full completion credit, students should attempt ALL of the assigned problems, show their work, and turn the assignment in on time. Not all assignments will be taken up for a grade, but students will still be responsible for knowing the material. Late homework will NOT be accepted.

*Quizzes (20%):* Quizzes will be used to assess student learning leading up to each unit test. Some quizzes will have calculator restrictions. All major quizzes will be announced in advance. Students will not be allowed to use their notes, homework or textbook for these. Homework check quizzes and notebook quizzes will also be given and may be unannounced. Students may use their notes for these quizzes.

*Tests (50%):* Tests will be given at the end of each unit. All tests will be announced. Tests are worth 100 points.

*Midterm (5%)* There will also be a comprehensive midterm exam.

*Final Exam (15%)*: There will be a comprehensive final exam that counts for 10% of your overall grade. Keeping all of your notes and homework will help you to prepare and study for the final when the time comes.

### **Make-Up Work:**

Make-up work only applies to absent students. NO late work is accepted! If you have an excused absence, you will be given the number of days you missed, plus one day to make up your work. It is your responsibility to find out what you missed and copy the notes for that day. If your homework is not turned in on time, you will not receive credit. If you have to make up a test or quiz, a different form may be given so that tests can be returned to other students in a timely manner.

### **Tutoring:**

Students may stay after school on designated days or come in early any morning for tutoring. I am typically here by 7:45 each morning. Students will also be able to participate in the ESS program which will establish hours once school begins. This is a great time to get questions answered, get homework help, prepare for a test or retake a test. Take advantage of this opportunity from the beginning! Do not wait until you are completely lost and behind in your work to ask for help!

### **Expectations and Strategies for Success:**

- ✓ Be Punctual. (Be in your assigned seat when the bell rings.)
- ✓ Be Prepared. (Bring all materials to class each day. Do all work in pencil.)
- ✓ Be Productive. (Stay on-task and actively participate in class. Ask Questions!)
- ✓ Be Positive. (Don't give up when faced with a challenge!)
- ✓ Be Polite. (Show respect to your teacher, classmates, and classroom.)

### **Content Covered:**

- ✓ Unit 1: Transformations and Constructions
- ✓ Unit 2: Congruence and Proof
- ✓ Unit 3: Similarity and Proof
- ✓ Unit 4: Trigonometry
- ✓ Unit 5: Solid Geometry
- ✓ Unit 6: Connecting Algebra and Geometry Through Coordinates
- ✓ Unit 7: Circles
- ✓ Unit 8: Application of Probability