

Providence Extension Program

Geometry Honors

Mrs. Norris

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Required Text: McDougall-Littel Geometry (2007) Student Text & Solutions Manual

Supplies: a Geometry dedicated notebook or binder with pockets, paper and graph paper, notecards on a ring, pencils and sharpener (or mechanical pencils), red and blue pens for corrections, a Geometry Drawing Kit (includes multiple triangles, protractor, straight edge, and compass), a few colored pencils, envelopes, and a **scientific calculator – TI84 Plus Graphing Calculator recommended**).

What we will cover: This course will begin with a review of elementary geometric topics, and progress to include reasoning and proof, parallel and perpendicular lines, triangle properties, congruent and similar triangles, trigonometry, quadrilaterals, figure transformations, circles, length, area, surface area and volume.

Success in this class will require multiple exposures to each concept, a total of at least three.

PRIOR to each class, students are expected to look over the sections to be covered and make Note Cards on Rules, Postulates, Theorems, Formulas, etc. (exposure #1). Then I will teach the concepts, and we will complete practice problems in class (**exposure #2**). Students will do homework assignments on the concepts taught (**exposure #3**). There will be a comprehensive review (**exposure #4**). And finally, when the students are tested on the subject matter, they are well prepared to demonstrate mastery of the skills taught.

How to complete assignments: Lesson Plan sheets contain all information relating to work due from *Tuesday through Tuesday*. They will be posted on my Weebly site (www.pepmrsnorris.weebly.com) on a weekly basis.

Project information will be posted separately.

When completing homework assignments:

- 1) Please fold your paper lengthwise and **show your work** in pencil down the left side only (on the back also.)
- 2) Please have it graded “for correctness only” at first, and have incorrect problems **circled in red**.
- 3) Students will make all of their corrections in **red** on the right side of the paper, without consulting the Solutions Manual - at first.
- 4) If problems are still incorrect, make any final corrections by copying from the Solutions Manual **in blue ink**.
- 5) Parents sign off on the Lesson Plan for each assignment, indicating # wrong and problems (including the page #) that their student would like addressed in class.

Since proofs may require extra attention from me, **please complete them on a separate sheet of paper**; so that I can collect them if necessary. If the proof doesn't match the Solutions Manual, it may still be correct; an alternate approach may have been used. If you are unsure about the steps, please circle the problem and turn it in to me.

Late work will only be accepted up to 24 hours after the due date, at which time it will receive a 60%; after that point you will receive a zero. Exceptions may be made with parent involvement.

Tests will be given at the end of each chapter. They may be completed at home any time before the due date, but must be taken during one sitting, without the help of another person, your notes or text. Turn them in to me in a sealed envelope **with a parent/proctor signature across the seal**.

When you come to class, you must be prepared with your supplies, assignments, and a signed Lesson Plan. Be on time and in your seat at the scheduled time. Place your coursework and signed assignment sheet out to be checked. Our time is limited, so we will need to begin promptly and remain on task.

You should refrain from any activities that would distract from the learning environment.

You should not need to leave your seat unless called upon.

Use the restroom between classes;

Use a self-collecting sharpener during class;

Hold your trash until you exit the room.

Horseplay, sidebar conversations, and put-downs will not be tolerated.

Everyone will be expected to participate in class discussions and occasional demonstrations, so we must be respectful of others at all times. Making mistakes is part of the learning process, so we will encourage each other to “give it a try” in a safe setting. **If you are absent from class, you will receive a zero. However, one excused absence is allowed per quarter.** Again, as with late assignments, exceptions may be made with parent involvement.

Grade Calculation:

Class Attendance & Classroom Behavior – 10%

Corrected Homework Assignments – 20%

Chapter Note Cards, Quizzes & Projects – 30%

Tests – 40%

A = 90-100 (4.5 (1/2point Honors boost)), B = 80-89 (3.5) and so forth for each letter grade C and D. A grade of 59 or below is failing & receives an F.

I look forward to working with you and your family in the upcoming year, and I know that together we can have a productive one. Please let me know of any questions or concerns you have, or that may arise later.

I have read the course syllabus and guidelines for completing math assignments and will abide by the requirements of Mrs. Norris. (**Please sign and bring to class with you on the first day for a QUIZ grade.**)

Student Signature: _____

Parent Signature: _____

Date: _____