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Geometry B
Course Syllabus (2020-2021)
Patricia Pearson

Course Text: Prentice Hall Mathematics, Geometry

Supplies: text, notebook, 3-ring binder with dividers, loose leaf, pencil, marking pen, highlighter, graph paper, calculator, and a box of Kleenex.

Goals and Objectives: The goal of this course is to learn to communicate about geometry by understanding its vocabulary, exploring and investigating its basic laws, developing and using logical thinking and making real-world connections. Another component of this course includes a review of previously learned material from Algebra I (B) and the further development of other algebraic concepts listed below.

Topics: Geometry

- Basic tools of Geometry: points, lines and planes
- Review of the coordinate plane
- Deductive reasoning and proof
- Parallel lines and the angles associated with them
- Perpendicular lines
- Review of linear equations and slopes
- Congruent triangles
- Two-column proof
- Segments and triangles
- Triangle inequalities
- Properties of quadrilaterals
- Finding and using areas of geometric figures
- Similarity in polygons and in triangles
- Perimeter and area
- Triangle proportions
- Right triangle trigonometry
- Circles: parts of, finding angles, areas, in coordinate plane
- Transformations
- Symmetry

Topics: Algebra

- Review of solving both linear and quadratic equations
- Review of graphing lines
- Review of factoring polynomials
- Solving systems of linear equations (review if covered in Algebra I B)
- Graphing parabolas (review if covered in Algebra I B)
- Graphing linear inequalities

Rules and Procedures:

- You must be wearing a mask to enter the classroom. It must be worn properly and remain in place unless instructed otherwise.
- You must use hand sanitizer before taking your seat.
- You may be given a paper towel and asked to wipe down your desk before sitting.
- Absolutely **no** food (including gum) will be allowed in class. You may have a water bottle.
- Do not take your mask off to take a drink. Lift the bottom edge.
- Please raise your hand to sharpen your pencil or to get a tissue.
- Those with allergies should have tissues on their person.
- Do assigned work neatly and in pencil. I will not accept pen!
- It is your responsibility to check what was missed during an absence.
- Notes will be taken in a spiral notebook. This will be graded at least once each semester. You may take notes in pen.
- Assignments will be given daily and completed on loose leaf and kept in a homework section of a 3-ring binder. Weekly homework quizzes will be given. Homework may be randomly collected.
- Major Quizzes will be given in the middle of each chapter.
- Tests will be given at the completion of a chapter.
 - ❖ Homework is an essential and integral part of your learning. You must take it seriously in order to be successful in this course.
 - ❖ Be respectful to your fellow classmates and to your teacher. This includes refraining from talking, staying in your seat, and not engaging in any other disruptive behavior during the lesson.

Cell Phone Usage:

- ✓ No checking for texts or sending texts before, during or after
- ✓ No Internet usage unless directed by myself.
- ✓ No phone calls.
- ✓ No calculator function allowed.
- ✓ Secure it in your purse or pocket where it will remain!

Grading and Evaluation: 85% of the semester grade will be the average of the tests, major quizzes, homework, and homework quizzes. The final exam will comprise the remaining 15% of the semester grade.

The following scale will be used to calculate your grade for the course.

◇	100 - 94	A
◇	93 - 90	A-
◇	89 - 87	B+
◇	86 - 83	B
◇	82 - 80	B-
◇	79 - 77	C+
◇	76 - 73	C
◇	72 - 70	C-
◇	69 - 67	D+
◇	66 - 63	D
◇	62 - 60	D-
◇	59 - 0	F

Additional Rules and Procedures for Remote Learning

- **Be logged into Zoom and ready to begin at the correct time. I will be teaching live. If you are not present at the beginning of class you will be considered absent.**
- **Actions will be taken for those students who choose not to be present on a recurring basis.**
- **Be familiar with Google Classroom. Check it daily!!!**
- **Do assigned work neatly and in pencil. I will not accept pen! Upload your assignments appropriately. (Instructions below) Make sure you click turn in.**
- **Tests will be taken at school and will not be open book.**
- **The grading scale will remain the same. Quizzes/Homework may have less value during remote learning than face to face learning.**
- **Lack of honesty and integrity during remote learning will not be tolerated. Disciplinary actions will be taken.**

Directions for turning in assignments:

You will be turning in assignments by taking a picture and uploading it to me. Your pictures should be a white copy, without shadows, and uploaded in order. You will need the google Drive app. Get that first. For iPhone users, scan a picture of your assignment using the Notes app on your iPhone (video link below) Android users watch the video below for scanning directions. Save it to your Drive (for iPhones, hit the box with up arrow then choose Drive, this may work for other phones but I do not know). Change the name of your image before uploading to Drive.

When you go to the assignment, on the right will be a box with Your Work, + add or create. Click on this box, select the picture from Drive, then hit turn in.

For further instruction watch one of these videos.

<https://youtu.be/16nwB3P78GQ> for iphone users

<https://youtu.be/WUz7R3luoes> for android users