Geometry: Course for Grade 9 and Advanced Grade 8

This course will be based on topics in the McGraw Hill Education Geometry curriculum in ALEKS, an online program that is self-paced. Student will need Internet access along with a laptop, Android Tablet, Chromebook, or iPad to access assignments from the McGraw Hill Education ALEKS program. One benefit of the online program are the diagnostics which measure at any time what the student has mastered, has learned, and is ready to learn. This analysis allows instruction in the classroom to target each student's individual needs. Instruction in the classroom will also provide opportunities to construct geometric measures such as angles, midpoints, and distances. These hands-on exercises will further understanding through constructions using ruler, compass and protractor included in the supply fee.
This course will allow students to study geometric concepts to prove relationships of congruence and similarity. Inductive reasoning concepts will be introduced through the study of patterns and sequences. Students will study special triangles, circles and quadrilaterals using measurement and related formulas. The study of triangles will be enhanced with the use of trigonometry. Additional topics will include probability and data analysis. The supply fee will cover a composition book to be provided by the teacher along with handouts.

The supply fee is $5.00 and the 40-week subscription to ALEKS is $35 per student for a total of $40 payable by check to Nancy A. Roell at the time of registration. Before a student can receive the access code for ALEKS online the payment must be made along with registering the student's name and an e-mail address to allow communication between the teacher and the student. Parents should determine the appropriate e-mail address for this purpose. On the first Friday of the course, students will be given initial logon instructions to begin using ALEKS which is on the Worldwide Web.

The tuition fee is $45 per month also payable by check on the first Friday of each month. I will be happy to visit with you to answer questions at (210) 826-8459 or e-mail me at drnroell@sbcglobal.net.

To check on requirements for equipment go to https://www.aleks.com/support/system_requirements