

Family Letter

Dear Parent or Guardian:

Geometric figures can be found in all kinds of places. Wallpaper and tile often contain geometric patterns. Traffic signs are created in the shapes of various types of polygons. We even use geometric terms such as parallel and perpendicular to give people directions. Applying geometric concepts to the real world can help us solve many types of problems.

In **Chapter 10, Geometry**, your child will learn about angles, circle graphs, perpendicular and parallel lines, polygons, tessellations, translations, and reflections. In the study of this chapter, your child will complete a variety of daily classroom assignments and activities and possibly produce a chapter project.

By signing this letter and returning it with your child, you agree to encourage your child by getting involved. Enclosed is an activity you can do with your child that also relates the math we will be learning in Chapter 10 to the real world. You may also wish to log on to the **Online Study Tools** for self-check quizzes, Parent and Student Study Guide pages, and other study help at www.msmath2.net. If you have any questions or comments, feel free to contact me at school.

Sincerely,

Signature of Parent or Guardian _____ Date _____

Family Activity

Triangles and Quadrilaterals

Work with a family member to answer the following questions.

1. Name an object in your house or yard that contains the shape of a right triangle.
2. Name an object in your house or yard that contains the shape of a quadrilateral.
3. Name an object in your house or yard that contains the shape of a scalene triangle.
4. Name an object in your house or yard that contains the shape of a trapezoid.
5. Name an object in your house or yard that contains the shape of a parallelogram.
6. Find a pattern in your house that contains rectangles. Draw a portion of the pattern in the space below.
7. Find a pattern in your house that contains triangles. Draw a portion of the pattern in the space below.