

Family Letter

Dear Parent or Guardian:

We see geometric patterns everywhere. The tile in your house might be a pattern of squares, or you might find a series of parallel lines in the fabric of your favorite chair. Knowing how to apply geometric concepts can help us make proportional drawings, design room layouts, and construct buildings.

In **Chapter 6, Geometry**, your child will learn about parallel lines, polygons, reflections, symmetry, congruency, similarity, and transformations. 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 6 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.msmath3.net. If you have any questions or comments, feel free to contact me at school.

Sincerely,

Signature of Parent or Guardian _____ Date _____

Family Activity

Classifying Triangles

Work with a family member to find six objects in your home or yard that contain different types of triangles. Write the name of the object in the space below and sketch the triangle. Then classify each triangle by its angles as acute, right, or obtuse and by its sides as scalene, isosceles, or equilateral.

	Name of Object	Sketch	Type of Triangle
1.			
2.			
3.			
4.			
5.			
6.			