

Family Letter

Dear Parent or Guardian:

Every time we look in a mirror we see the geometric principle of reflection at work. We use angle measures, lines of symmetry, and reflection when hanging a mirror to see our reflection from head to toe, when using the side mirror of a car to check other traffic, and when building a telescope.

In **Chapter 13, Geometry: Angles and Polygons**, your child will learn how to classify and measure angles, construct segments and angles, and determine symmetry, congruency, and similarity. 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 13 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.msmath1.net. If you have any questions or comments, feel free to contact me at school.

Sincerely,

Signature of Parent or Guardian _____ DATE _____

Family Activity

Lines of Symmetry

Have a family member name four letters of the alphabet. Write each capital letter below. Then draw all lines of symmetry. Check the symmetry lines with your family member.

1.

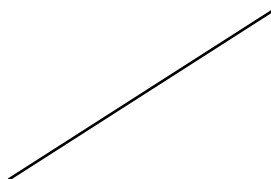
2.

3.

4.

Have a family member draw a picture or trace a small object on either side of each line. Then draw the reflection of each figure. Check the reflections together.

5.



6.



7.



8.

