

Sharing Our Stories

Line Master 1 (Assessment Master)

Name: _____

Explore lines of symmetry in 2-D shapes	Not observed	Sometimes	Consistently
Can explain what it means for a shape or design to be symmetrical			
Distinguishes between symmetrical and asymmetrical shapes			
Can identify the line(s) of symmetry on a 2-D shape			
Can construct a symmetrical design			
Can complete a symmetrical design			
Explore 2-D shapes			
Identifies and describes various shapes according to geometric properties			
Recognizes and identifies 2-D shapes embedded in 3-D objects			
Connects 2-D shapes to 3-D solids			

Strengths:

Next Steps:

Line Master 2-1



Create a letter using this template and select one or two activities from the suggestions on the next page. Simply **delete these instructions and cut and paste the activities you have selected**, adapting them to fit your needs.

Connecting Home and School

Line Master 2-2

Dear Family:

We have been reading *Sharing Our Stories*, which engages children in conversations, investigations, and activities to help develop understanding of the big math idea that “Shapes and solids can be transformed in many ways.” We have been exploring 2-D shapes and lines of symmetry on shapes. Try this activity at home with your child.



Reading the Story: As you read the story, encourage your child to identify and describe the 2-D shapes she/he see. Invite him/her to count the number of sides and vertices (corners) each shape has and to determine if the shape is symmetrical. Discuss what it means for a shape to be symmetrical and look for examples of symmetry throughout the book.



Shape Treasure Hunt: Encourage your child to look for shapes around your home and on the way to school, and to record what she/he finds using words and drawings. Challenge your child to find 2-D shapes on 3-D solids and record them as well (e.g., the rectangular side of a toaster, the square on the bottom of a milk carton). Invite your child to bring his/her findings to school and share them with the class.



Symmetrical Designs: Invite your child to create a symmetrical design. Provide her/him with a blank sheet of paper or grid paper and draw a line down the middle (either horizontally or vertically). Remind your child that both sides/halves of the paper have to match (same shapes, same colours, same design).



Shape I Spy: Invite your child to identify 2-D shapes through a game of I Spy. For example, if your child sees a triangle, he/she might say, “I spy a shape with 3 sides.” Encourage him/her to give increasingly detailed clues that include lines of symmetry (e.g., “I spy a shape with 4 vertices (corners) and 2 lines of symmetry”).

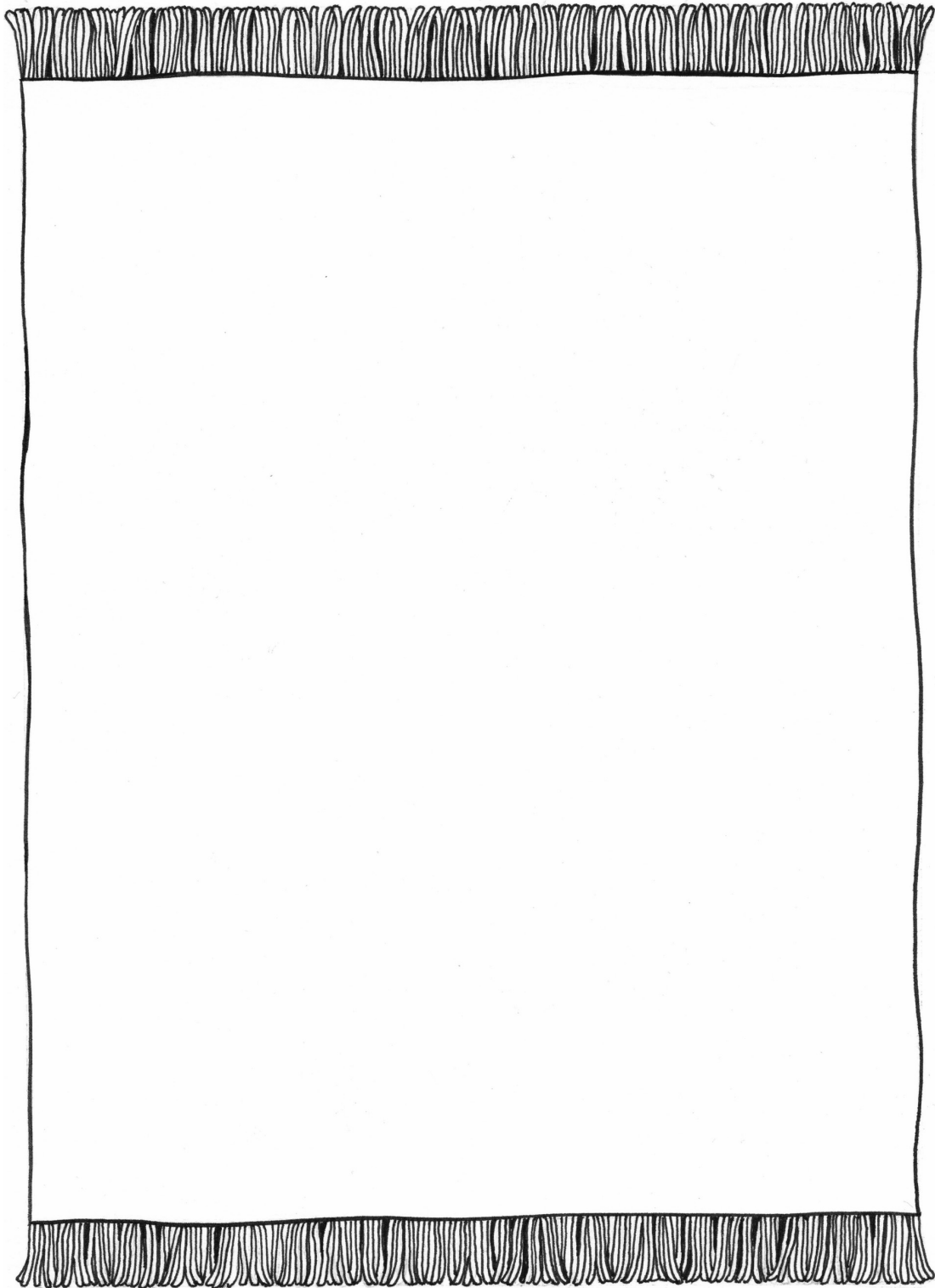


Sincerely,

Sharing Our Stories

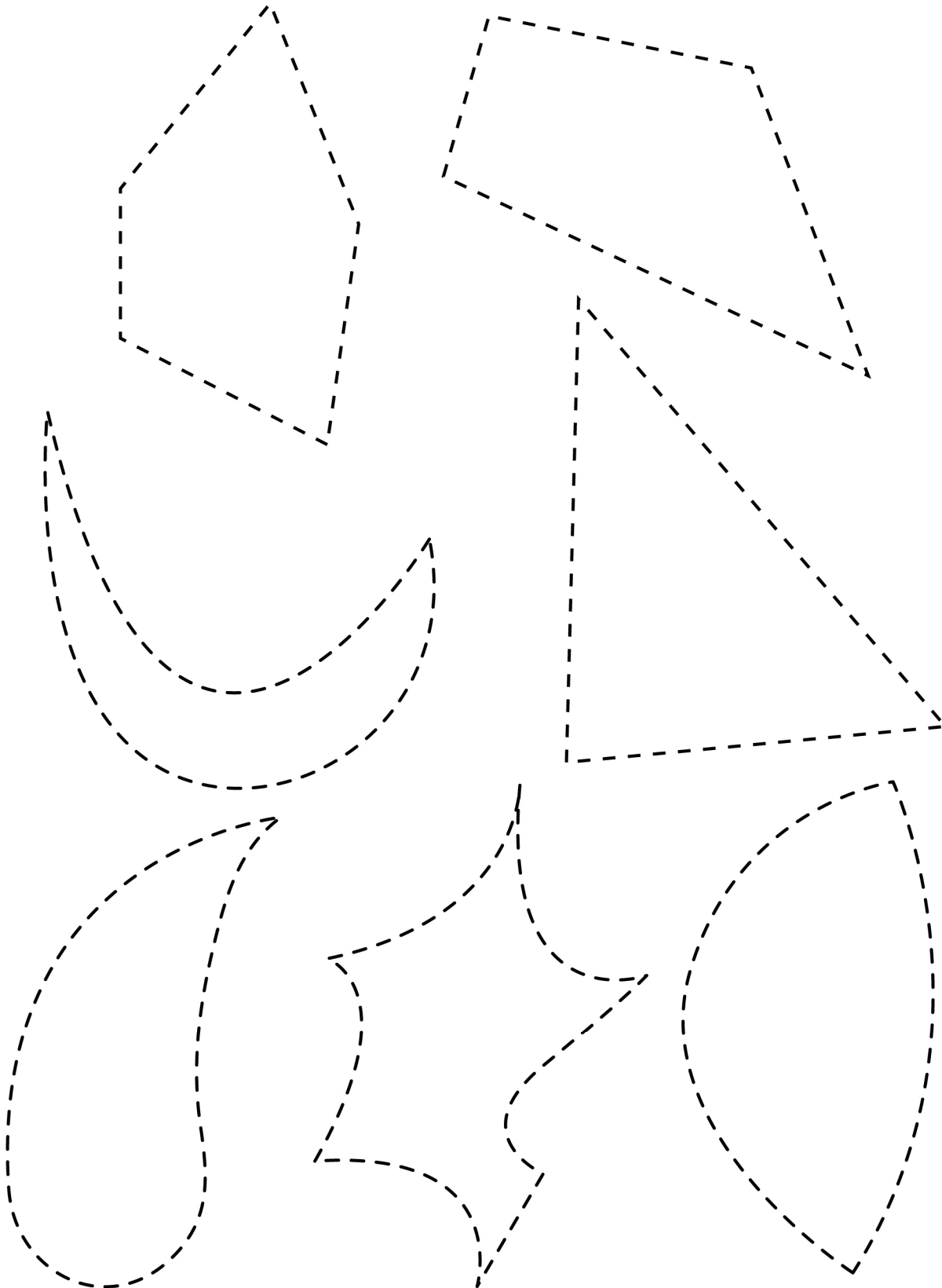
Math Mat

Line Master 3



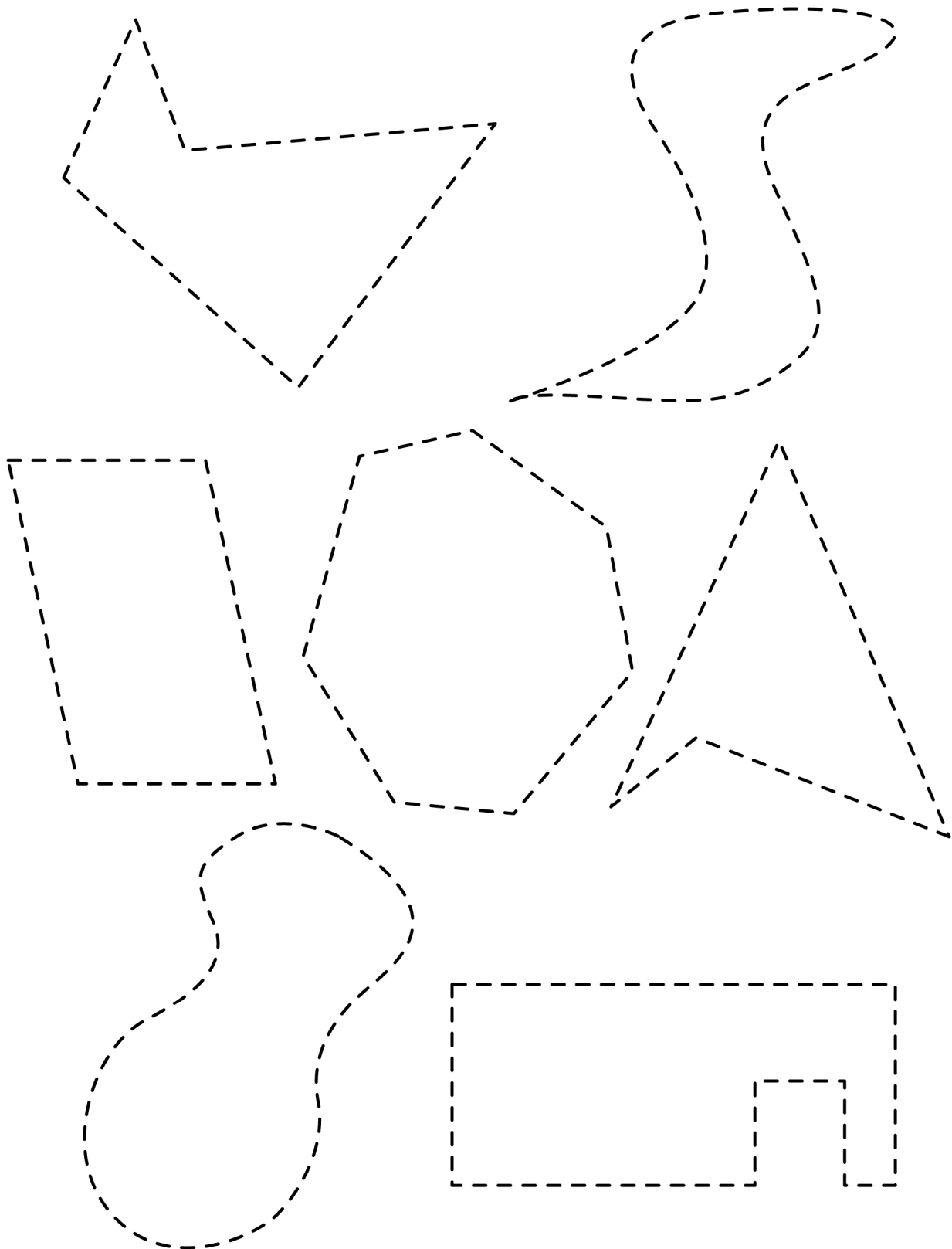
Symmetrical and Asymmetrical Shapes

Line Master 4-1



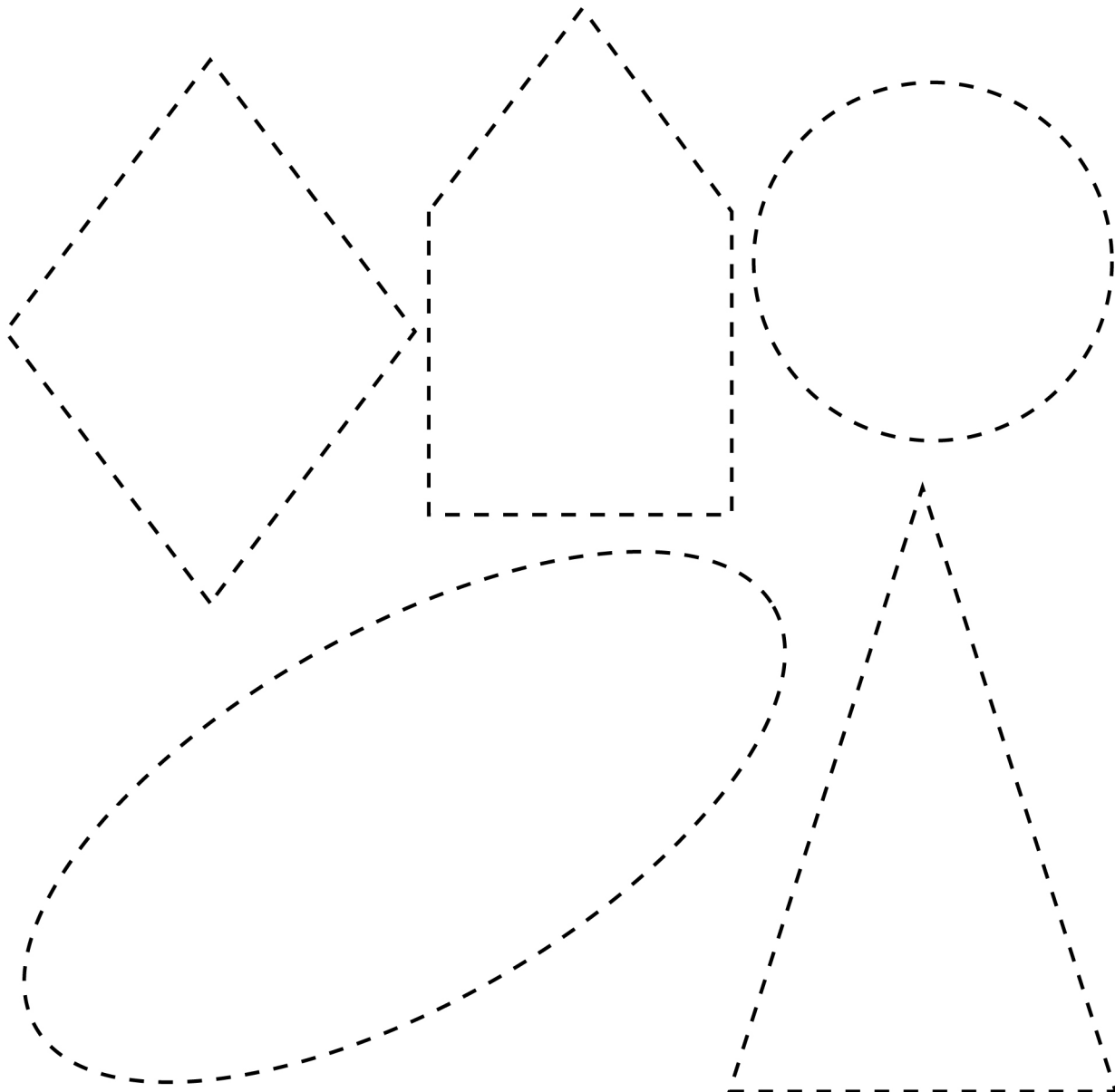
Symmetrical and Asymmetrical Shapes

Line Master 4-2



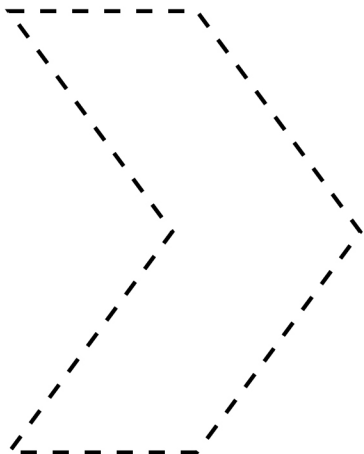
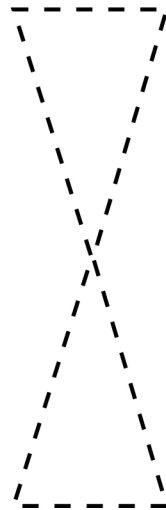
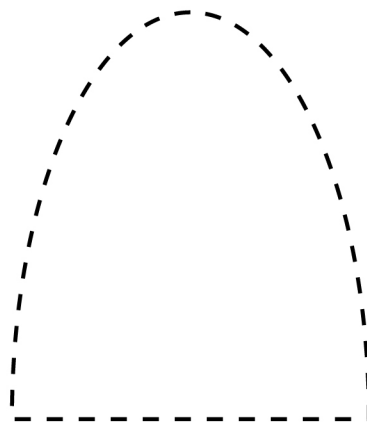
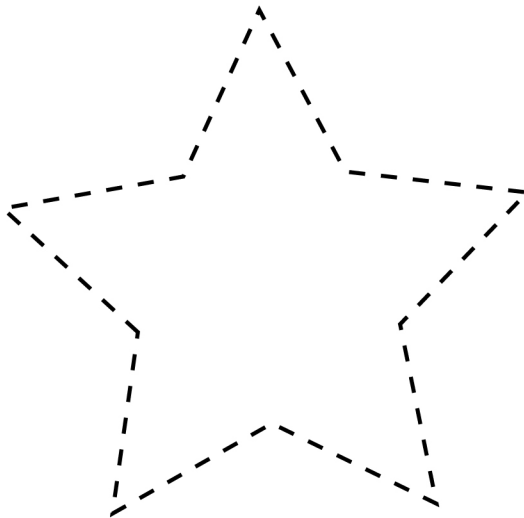
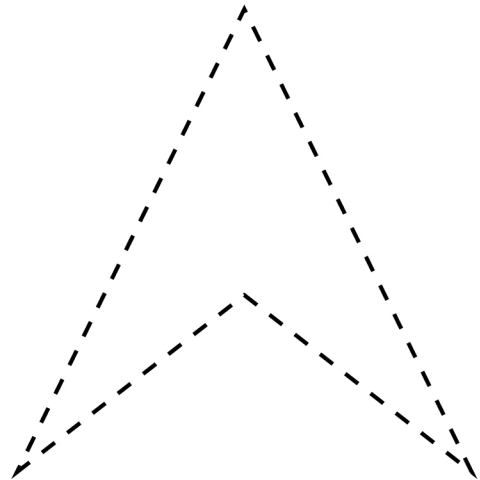
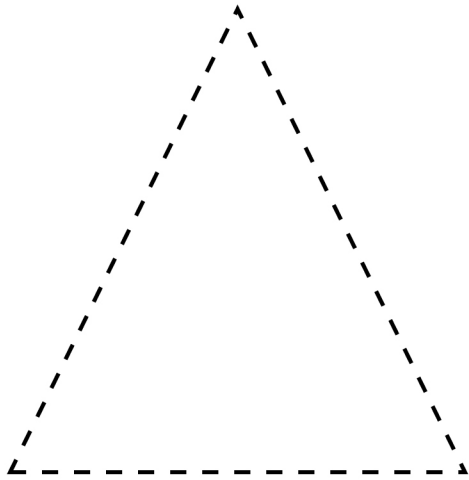
Symmetrical and Asymmetrical Shapes

Line Master 4-3



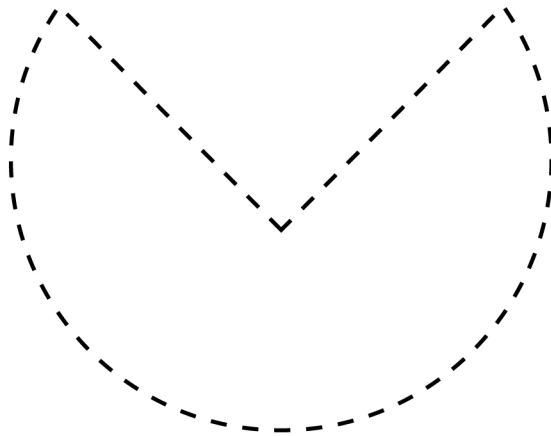
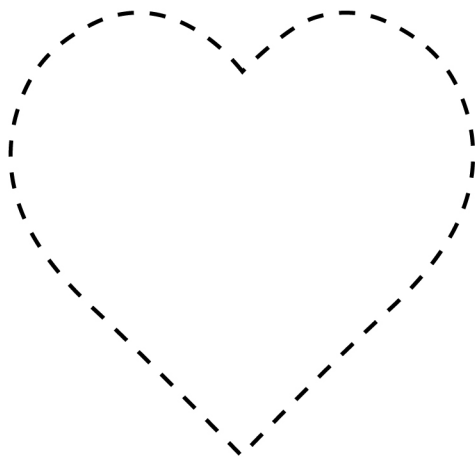
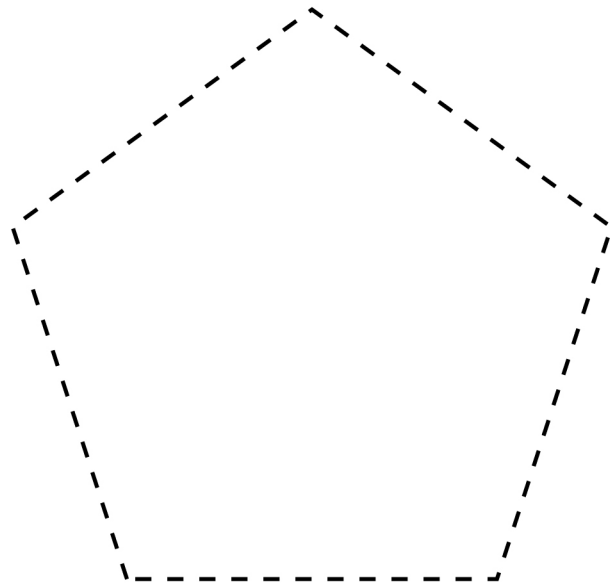
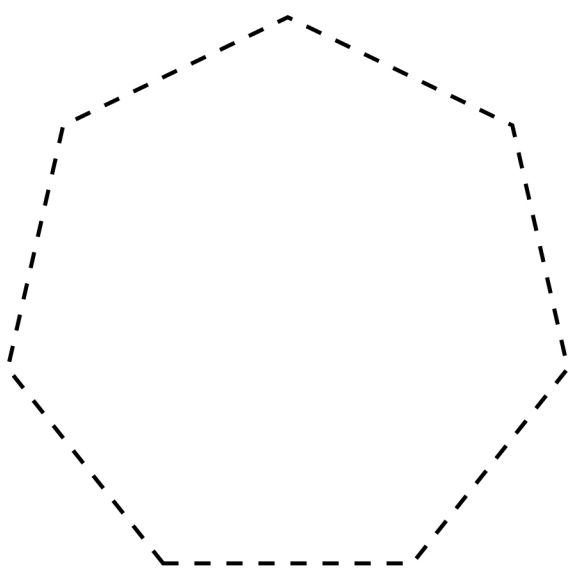
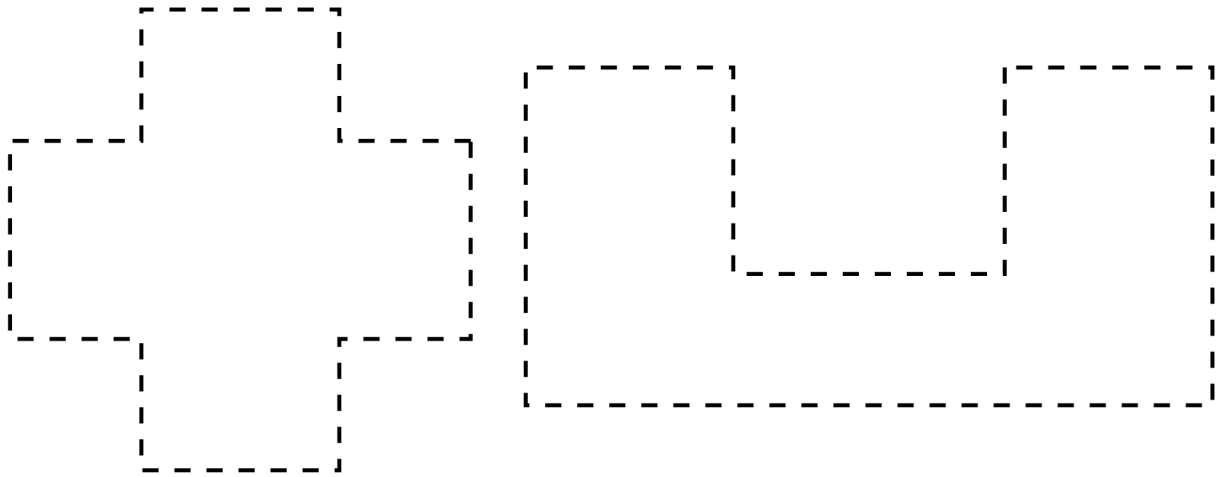
Symmetrical and Asymmetrical Shapes

Line Master 4-4



Symmetrical and Asymmetrical Shapes

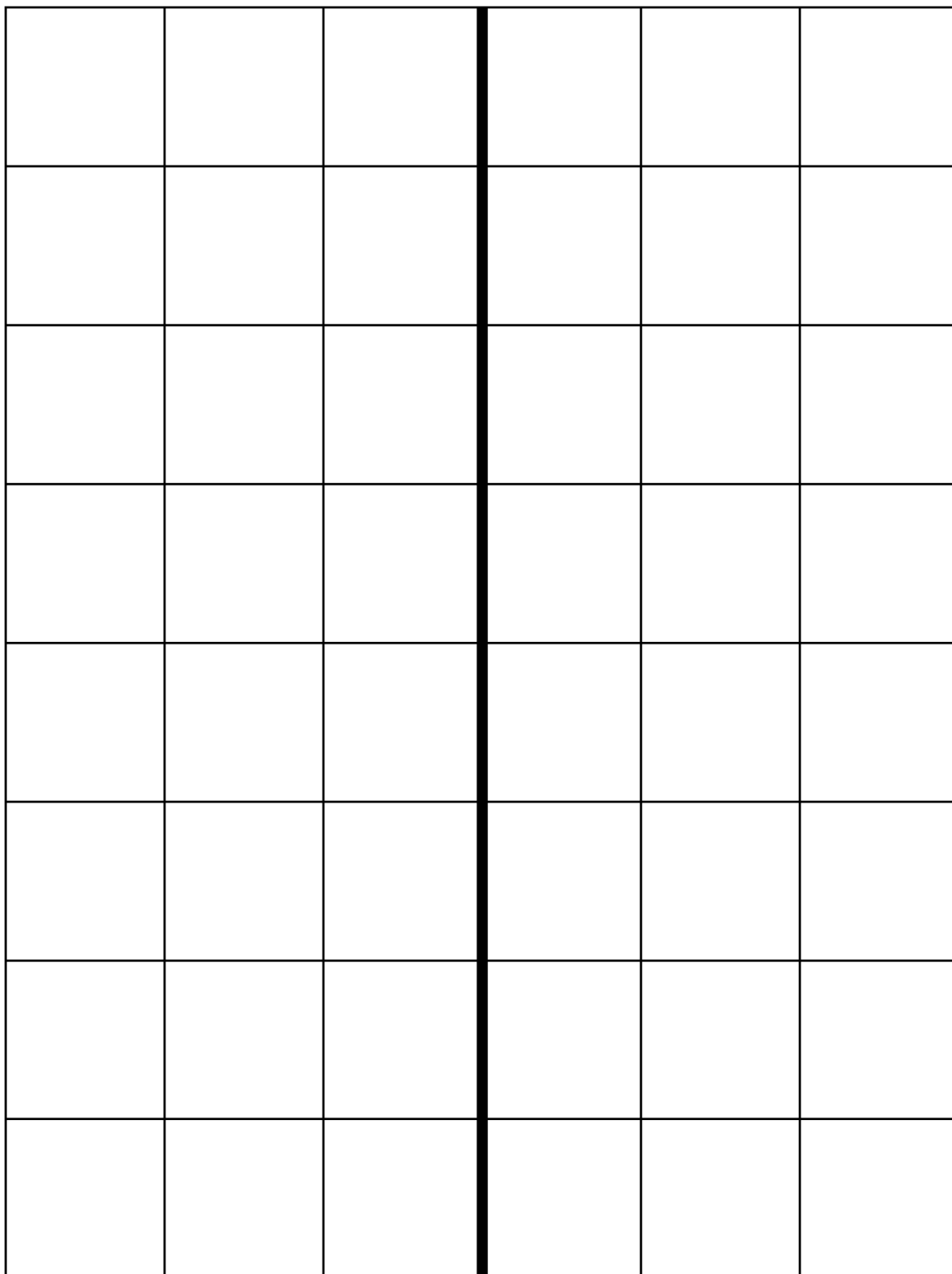
Line Master 4-5



Symmetry Grid

Line Master 5-1

Name: _____



Symmetry Grid

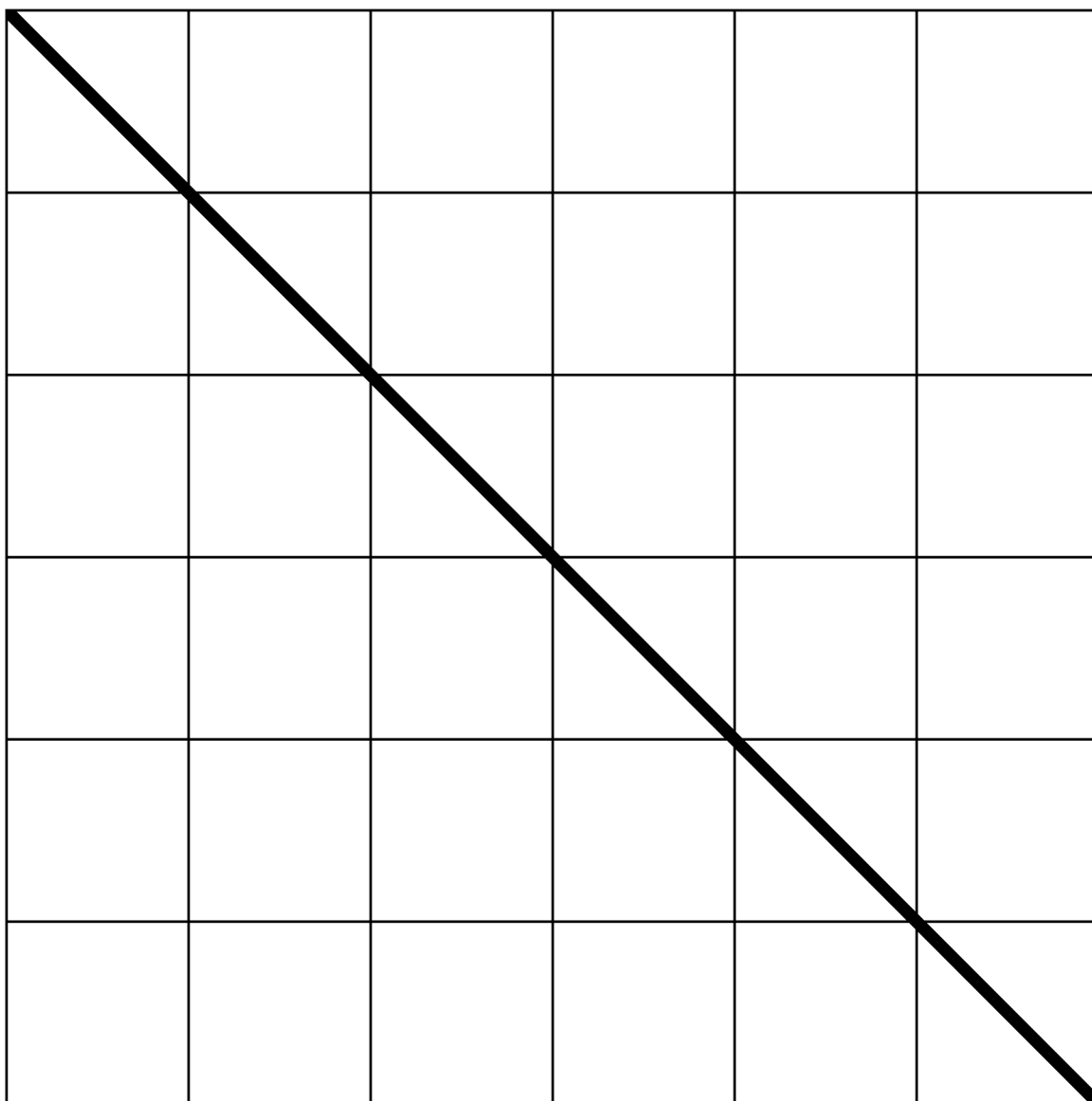
Line Master 5-2

Name: _____

Symmetry Grid

Line Master 5-3

Name: _____



Shape Story Template

Line Master 6-1



My Shape Story

By _____

Line Master 6-2



Treasure Hunt

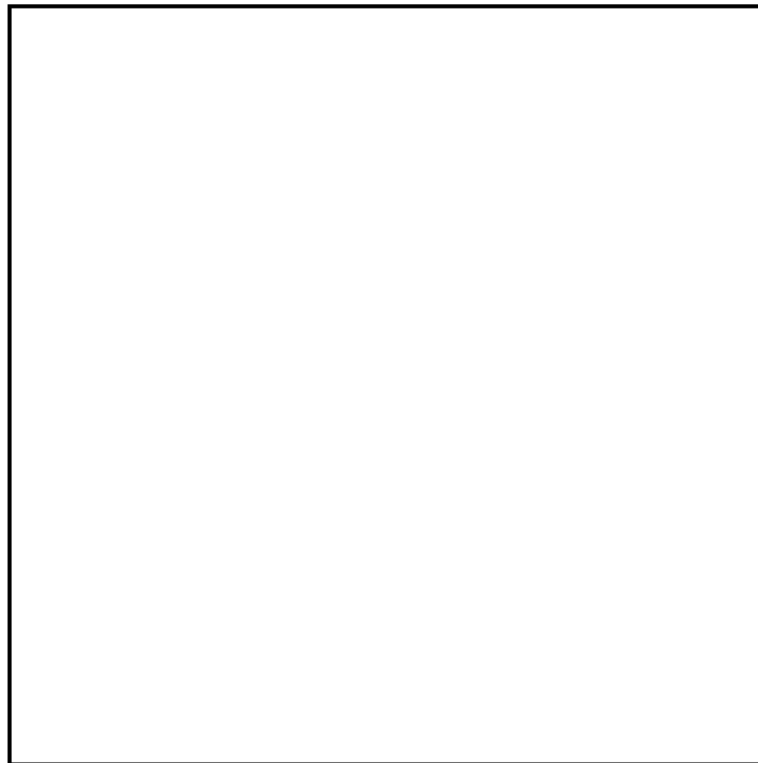
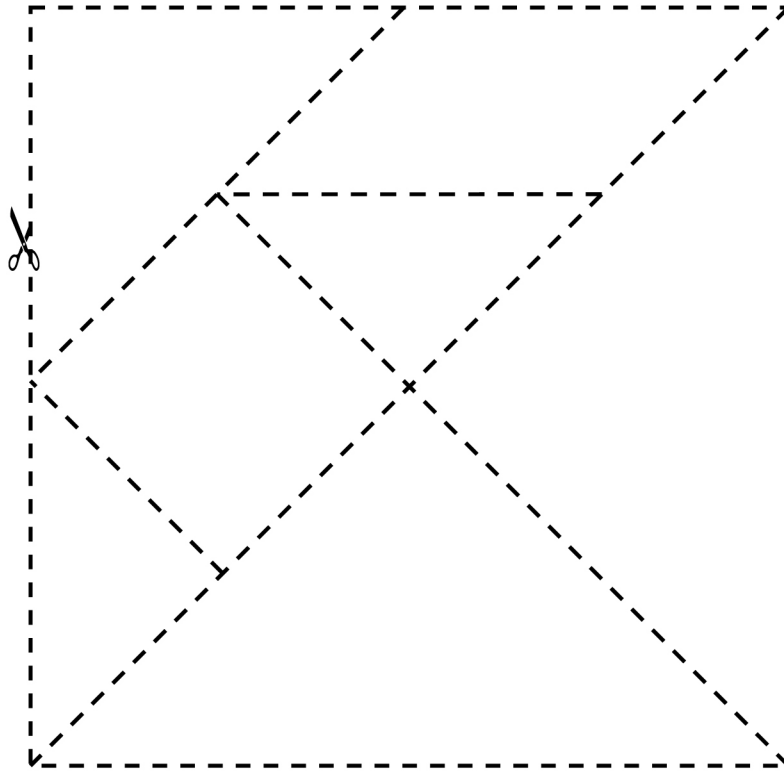
Line Master 7

Name: _____

Object	Shape	What I Know About the Shape

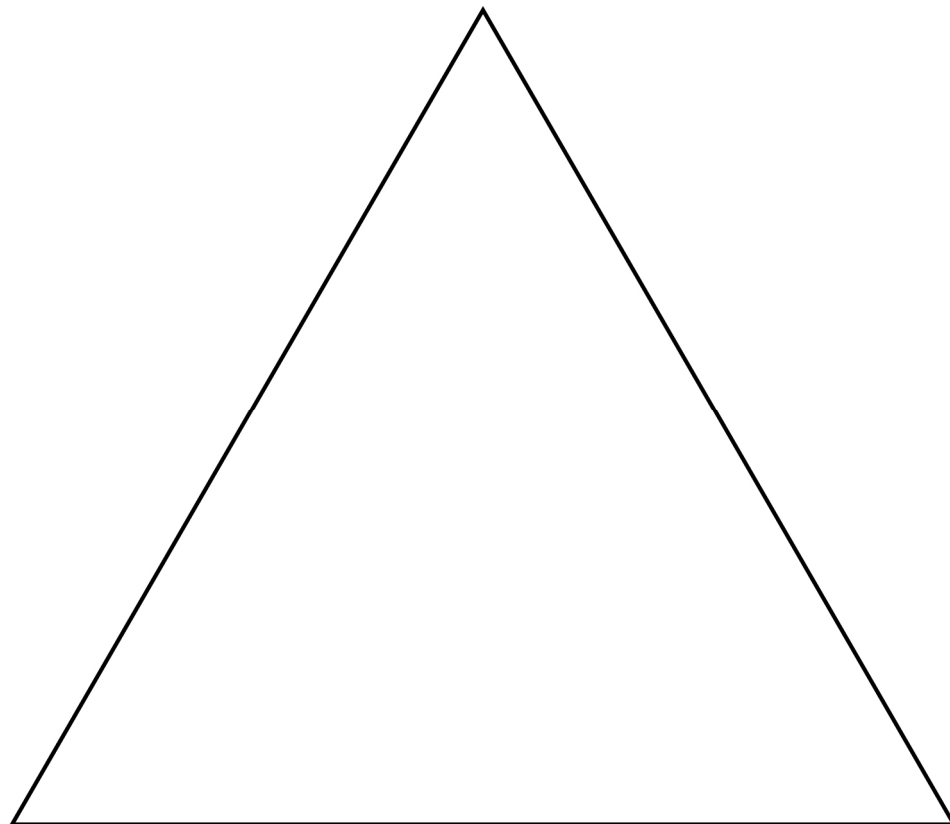
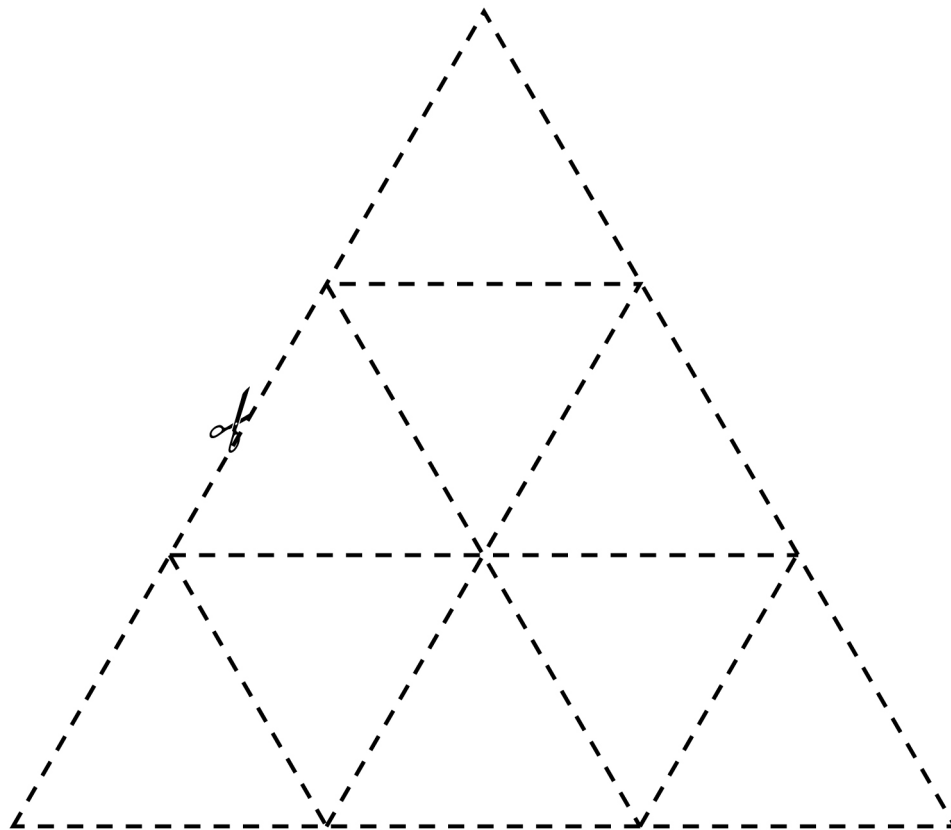
Shape Puzzles

Line Master 8-1



Shape Puzzles

Line Master 8-2



Search for Symmetry

Line Master 9

Name: _____

Shape	Number of Lines of Symmetry

Shape Profile

Line Master 10

Name: _____

Shape: _____



My shape has _____ sides.

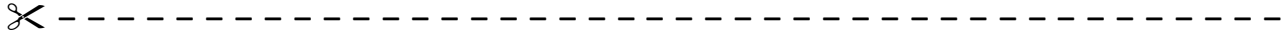
My shape has _____ vertices.

My shape has _____ lines of symmetry.

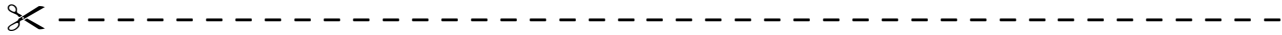
Interesting fact: _____

Symmetry Problems

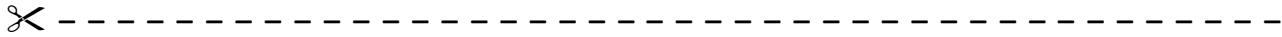
Line Master 11–1



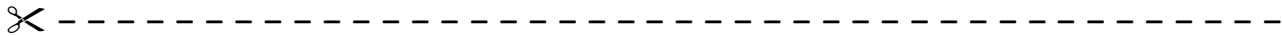
Draw a shape that has 1 line of symmetry.



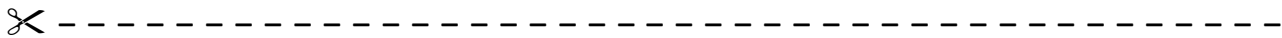
Draw a shape that has more than 1 line of symmetry.



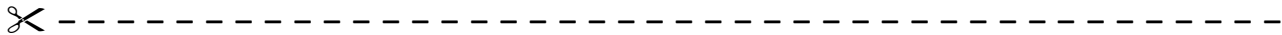
Draw a shape that has no lines of symmetry.



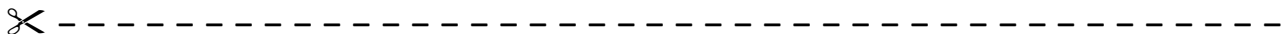
Draw a symmetrical shape that has 3 sides.



Draw a symmetrical shape that has 4 sides.



Draw a shape that has 3 sides and no lines of symmetry.

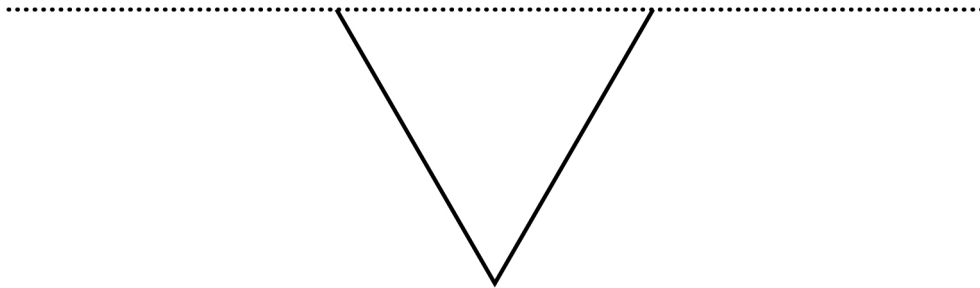


Symmetry Problems

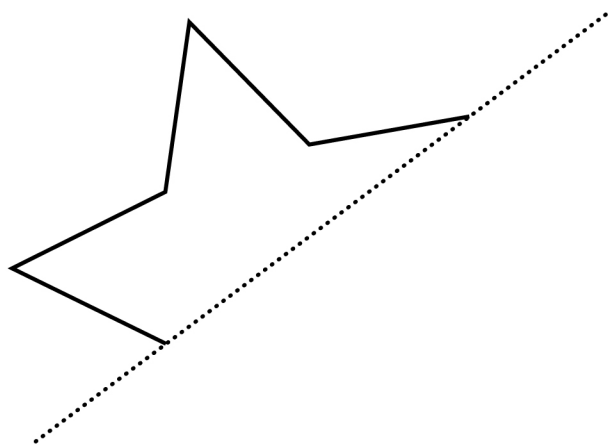
Line Master 11-2



Complete the symmetrical shape.



Complete the symmetrical shape.



Symmetry Problems

Line Master 11–3



I have 4 sides and 2 lines of symmetry. What shape am I?

Show how you know.



I have 5 sides and 1 line of symmetry. What shape am I?

Show how you know.

