

Challenge Problems

11.4

NAME _____

Module 11 Transformation of Shapes

Lesson 4 Symmetry

Set 1

1

The word HIDE has horizontal line symmetry. Use capital letters to write as many words as possible that have horizontal line symmetry.

2

The capital letters like A, H, and I have vertical line symmetry. Use all the letters with vertical line symmetry to write as many four-letter words as possible. Use each letter only once.

Set 2

1

Which capital letters of the alphabet have rotational symmetry? Do they also have point symmetry?

2

Is it possible for a figure to have line symmetry but not rotational symmetry? If so, draw such a figure. If not, explain why.

Additional Work Area