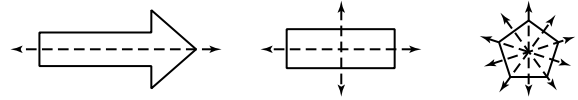


Reflections (pages 395–397)

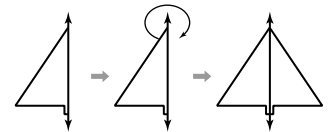
Figures that match exactly when folded in half have **line symmetry**.

EXAMPLES

A The figures to the right have line symmetry. Some figures can be folded in more than one way to show symmetry. Each fold line is called a **line of symmetry**.



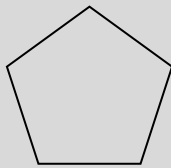
B You can create figures that have line symmetry by using a **reflection**. A reflection is a mirror image of a figure across a line of symmetry.



Try These Together

Draw all lines of symmetry for each figure.

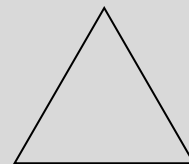
1.



2.



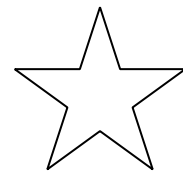
3.



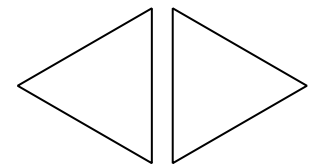
HINT: Think about all of the ways the figures can be folded in half.

PRACTICE

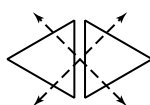
- How many lines of symmetry does a regular hexagon have?
- Life Science** Many flowers have lines of symmetry. How many lines of symmetry does a star-shaped flower have?



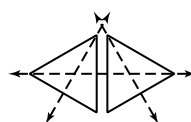
6. Standardized Test Practice Which of the following shows the lines of symmetry in the figure at the right?



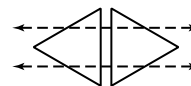
A



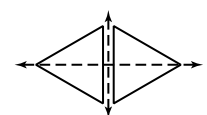
B



C



D



Answers: 1–3. See Answer Key. 4. 6 5. 5 6. D