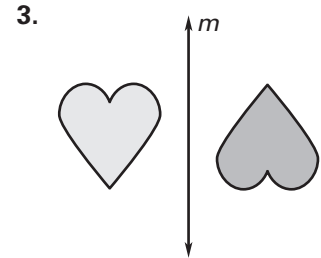
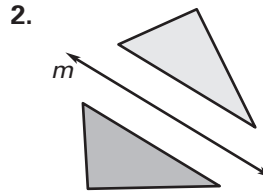
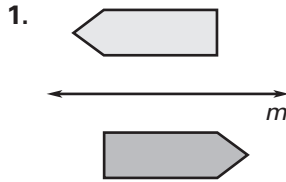


Practice A

For use with pages 404–410

Determine whether the light figure maps onto the darker figure by a reflection in line m .



Use the diagram at the right to complete the statement.

4. $\overline{AB} \rightarrow$?

5. $\overline{AD} \rightarrow$?

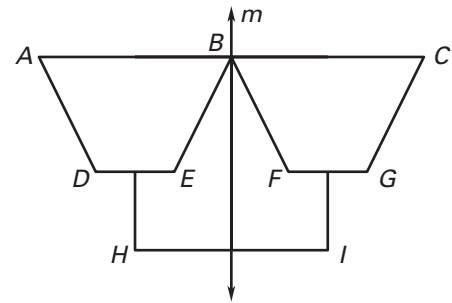
6. $\angle D \rightarrow$?

7. ? $\rightarrow \angle BFG$

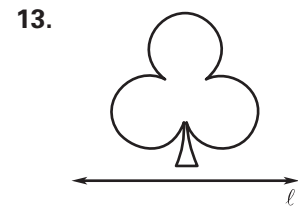
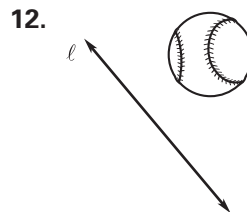
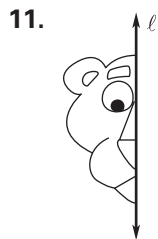
8. $\angle EBA \rightarrow$?

9. $B \rightarrow$?

10. figure $ADEB \rightarrow$ figure ?



Trace the figure and draw its reflection in the line ℓ .



Find the coordinates of the reflection without using a coordinate plane. Then check your answer by plotting the image and preimage on a coordinate plane.

14. $M(4, 2)$ is reflected in the x -axis.

15. $N(3, 5)$ is reflected in the x -axis.

16. $O(5, 1)$ is reflected in the y -axis.

17. $P(3, 0)$ is reflected in the y -axis.

Sketch the figure, if possible.

18. A triangle with exactly one line of symmetry

19. A trapezoid with exactly one line of symmetry

20. A pentagon with exactly one line of symmetry

21. A hexagon with exactly two lines of symmetry