

# Symmetry

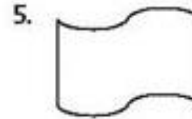
## Textbook page 637 #1-18

### GUIDED PRACTICE

**Vocabulary** Apply the vocabulary from this lesson to answer each question.

1. Describe the *line of symmetry* of an isosceles triangle.
2. The capital letter T has   ?  . (*line symmetry* or *rotational symmetry*)

Tell whether each figure has line symmetry. If so, copy the shape and draw all lines of symmetry.



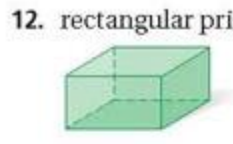
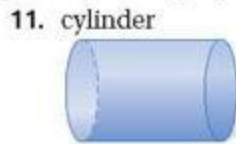
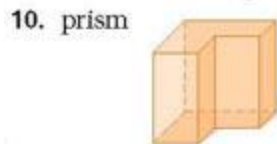
Tell whether each figure has rotational symmetry. If so, give the angle of rotational symmetry and the order of the symmetry.



9. **Architecture** The Pentagon in Alexandria, Virginia, is the world's largest office building. Copy the shape of the building and draw all lines of symmetry. Give the angle and order of rotational symmetry.

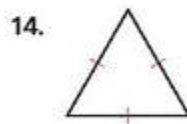


Tell whether each figure has plane symmetry, symmetry about an axis, or neither.



### PRACTICE AND PROBLEM SOLVING

Tell whether each figure has line symmetry. If so, copy the shape and draw all lines of symmetry.



Tell whether each figure has rotational symmetry. If so, give the angle of rotational symmetry and the order of the symmetry.

