

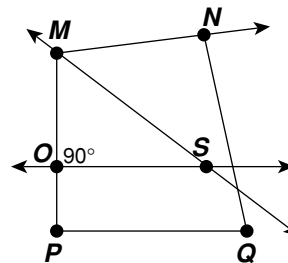
CHAPTER **At-Home Practice**
8 **Plane Geometry**

1. Name four points in the figure.

2. Name two lines in the figure.

3. Name three rays in the figure.

4. Name a right angle in the figure.

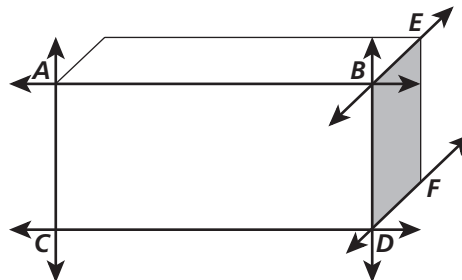


Identify two lines that have the given relationship.

5. parallel lines

6. perpendicular lines

7. skew lines



Identify two planes that have the given relationship.

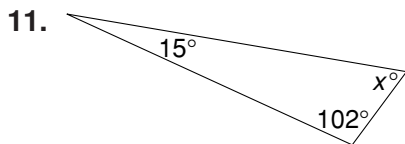
8. parallel planes

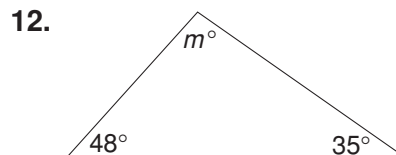
9. perpendicular planes

10. neither parallel nor perpendicular



Find the value of each variable.





Answers: 1. Points M, N, O, P, Q, S 2. $\overleftrightarrow{MP}, \overleftrightarrow{NQ}, \overleftrightarrow{OS}$ 3. $\overrightarrow{MS}, \overrightarrow{NS}, \overrightarrow{SQ}, \overrightarrow{MQ}$ 4. $\angle MOS, \angle SOP$ 5. $\overleftrightarrow{AC}$ and $\overleftrightarrow{BD}$ 6. $\overleftrightarrow{AC}$ and $\overleftrightarrow{CD}$ 7. $\overleftrightarrow{AC}$ and $\overleftrightarrow{BE}$ 8. Plane AED and plane BFC 9. plane AED and plane $ABCD$ 10. plane $ABFE$ and plane $ABCD$ 11. 63° 12. 97°

CHAPTER

8

Family Fun**Scavenger Hunt****Directions**

Each team of 2 has 15 minutes to tour your home and search for as many unusual shapes as possible. The shapes may be inside or outside. Your team must have at least one object per shape. If the shape has 3 or 4 sides, it is worth 2 points. If a shape has more than 4 sides, it is worth 5 points. Record each object your team finds under the name of each shape. The team with the most points at the end of the time limit wins!

					
square	rectangle	trapezoid	octagon	parallelogram	right triangle
					
pentagon	hexagon	isosceles triangle	rhombus	equilateral triangle	scalene triangle

					
square	rectangle	trapezoid	octagon	parallelogram	right triangle
					
pentagon	hexagon	isosceles triangle	rhombus	equilateral triangle	scalene triangle