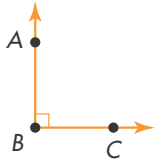# What Are Some Common Geometric Terms?

A

Point, line, line segment, ray, right angle, acute angle, obtuse angle, and straight angle are common geometric terms.

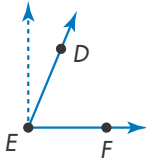Lines and parts of lines are named for their points. A ray is named with its endpoint first.

Geometric Term	Example	Label	What You Say
A point is an exact location in space.	• Z	Point Z	Point Z
A line is a straight path of points that goes on and on in opposite directions.	A B	$\overleftrightarrow{AB}$	Line AB
A line segment is a part of a line with two endpoints.	G R	$\overline{GR}$	Line Segment GR
A ray is a part of a line that has one endpoint and continues on forever in one direction.	N P	$\overrightarrow{NP}$	Ray NP

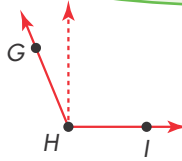**B** An angle is formed by two rays that have the same endpoint.

Angles are usually named with 3 letters. The shared endpoint of the rays is the center letter. The other letters represent points from each ray.

∠ABC is a right angle. A right angle forms a square corner.

∠DEF is an acute angle. An acute angle is open less than a right angle.
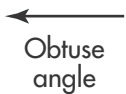
∠GHI is an obtuse angle. An obtuse angle is open more than a right angle but less than a straight angle.

∠JKL is a straight angle. A straight angle forms a straight line.

Convince Me! **Look for Relationships** Complete each figure to show the given angle.

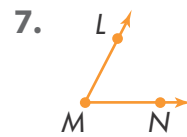Obtuse angle

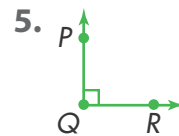Straight angle

Acute angle

Right angle

☆ Guided Practice

Do You Understand?

1. What geometric term describes a part of a line that has one endpoint? Draw an example.

2. What geometric term describes a part of a line that has two endpoints? Draw an example.

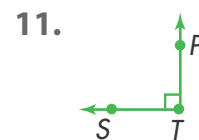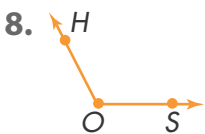3. What geometric term describes an angle that forms a square corner? Draw an example.

Do You Know How?

For **4–7**, use geometric terms to describe what is shown.

4. P———X

5. P, Q, R

6. B———Y

7. L, M, N

Independent Practice ☆

For **8–11**, use geometric terms to describe what is shown.

8. H, O, S

9. B———D

10. X———Y

11. P, S, T

For **12–15**, draw the geometric figure for each term.
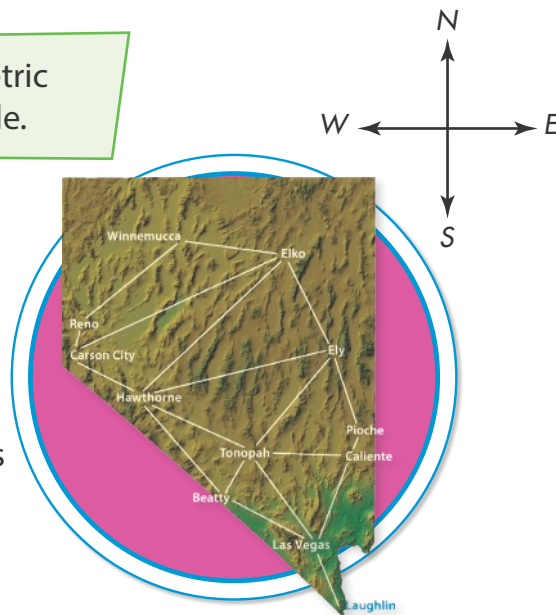
12. Line segment

13. Point

14. Ray

15. Line

Problem Solving

For **16–18**, use the map of Nevada. Write the geometric term that best fits each description. Draw an example.

16. Be Precise The route between 2 cities.

17. The cities

18. The corner formed by the north and west borders
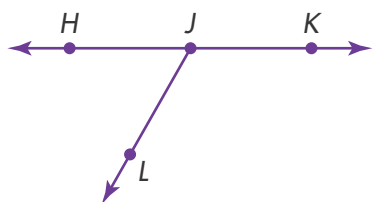
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19. **A-Z Vocabulary** Write a definition for *right angle*. Draw a right angle. Give 3 examples of right angles in the classroom.

20. Higher Order Thinking Nina says she can make a right angle with an acute angle and an obtuse angle that have a common ray. Is Nina correct? Draw a picture and explain.

✅ Assessment Practice

21. Which geometric term describes ∠HJK?

Ⓐ Acute angle   Ⓒ Right angle

Ⓑ Obtuse angle   Ⓓ Straight angle

22. Lisa drew 2 rays that share an endpoint. Which of the following is Lisa's drawing?

Ⓐ

Ⓒ

Ⓑ

Ⓓ