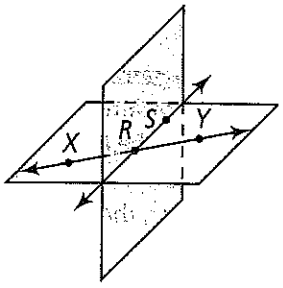
Lesson Check

Do you know HOW?

Use the figure at the right.

1. What are two other names for $\overleftrightarrow{XY}$?
2. What are the opposite rays?
3. What is the intersection of the two planes?



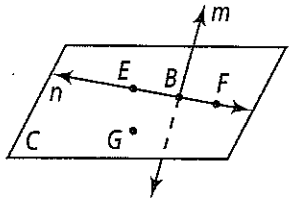
Do you UNDERSTAND? MATHEMATICAL PRACTICES

4. **Vocabulary** A segment has endpoints R and S. What are two names for the segment?
5. Are $\overrightarrow{AB}$ and $\overrightarrow{BA}$ the same ray? Explain.
6. **Reasoning** Why do you use two arrowheads when drawing or naming a line such as $\overleftrightarrow{EF}$?
7. **Compare and Contrast** How is naming a ray similar to naming a line? How is it different?

Practice and Problem-Solving Exercises MATHEMATICAL PRACTICES

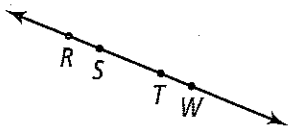
A Practice

Use the figure at the right for Exercises 8–11. See Problem 1.



8. What are two other ways to name $\overleftrightarrow{EF}$?
9. What are two other ways to name plane C?
10. Name three collinear points.
11. Name four coplanar points.

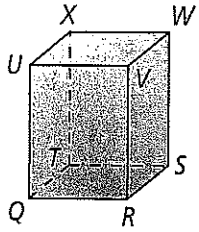
Use the figure at the right for Exercises 12–14. See Problem 2.



12. Name the segments in the figure.
13. Name the rays in the figure.
14. **a.** Name the pair of opposite rays with endpoint T.
    b. Name another pair of opposite rays.

Use the figure at the right for Exercises 15–26.

Name the intersection of each pair of planes. See Problem 3.



15. planes QRS and RSW
16. planes UXV and WVS
17. planes XWV and UVR
18. planes TXW and TQU

Name two planes that intersect in the given line.

19. $\overleftrightarrow{QU}$
20. $\overleftrightarrow{TS}$
21. $\overleftrightarrow{XT}$
22. $\overleftrightarrow{VW}$

Copy the figure. Shade the plane that contains the given points. See Problem 4.

23. R, V, W
24. U, V, W
25. U, X, S
26. T, U, V