

Challenge Problems

8.1

NAME _____

Module 8 Points, Lines, Angles, and Triangles
Lesson 1 Language of Geometry

Set 1

- 1 Ryan named the ray \overrightarrow{TR} . Sherman named the ray \overrightarrow{RT} . Which student is correct? Explain your answer.



- 2 Maryscott named the ray below \overrightarrow{AB} . Joe named the ray \overrightarrow{AC} . Which student is correct? Explain your answer.



Possible Answers

Set 1

1. Sherman is correct because a ray is named using two letters, with the endpoint being the first letter and a point on the ray being the second letter. The correct name for this ray is \overrightarrow{RT} . Ryan described a ray with endpoint at T , passing through R .
2. Both students are correct. Both students' names for the ray have the endpoint, A , first, then another point on the ray second. Any other point on the ray can be used as the second letter.