

# Challenge Problems

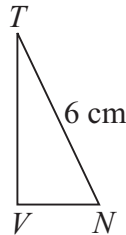
## 8.5

NAME \_\_\_\_\_

Module 8 Points, Lines, Angles, and Triangles  
Lesson 5 Congruent Triangles

### Set 1

- 1 True or false: Given  $\triangle VNT \cong \triangle RMS$ , and side  $\overline{NT}$  measures six centimeters, then side  $\overline{RS}$  also measures six centimeters.

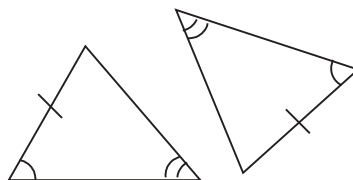


- 2 True or false: If  $\triangle SLN \cong \triangle WLB$  and  $\triangle SLN$  is an acute triangle, then  $\triangle WLB$  is an acute triangle.

### Set 2

- 1 True or false: All equiangular triangles are congruent. Explain.

- 2 True or false: Angle-Angle-Side Congruence can be used to prove that two triangles are congruent.



# Additional Work Area