7-2 • Guided Problem Solving

Student Page 334, Exercise 26:

Writing in Math Can an angle ever have the same measure as its complement? Explain.

Understand

1. What are you being asked to do?

2. What do you have to do to explain your answer?

Plan and Carry Out

3. What is the definition of complementary angles?

4. If an angle and its complement have the same measure, explain the relationship between the angle and 90°.

5. Determine the measure of the angle.

6. Can an angle ever have the same measure as its complement?

Check

7. Explain your answer.

Solve Another Problem

8. Can an angle ever have the same measure as its supplement? Explain.