

CHAPTER
5

Assignment 48 Lesson 5.5 thru 5.6 Quiz

For use after the lessons "Use Inequalities in a Triangle" and "Inequalities in Two Triangles and Indirect Proof"

Is it possible to construct a triangle with the given side lengths? If not, explain why.

1. 8, 9, 15

2. 4, 7, 13

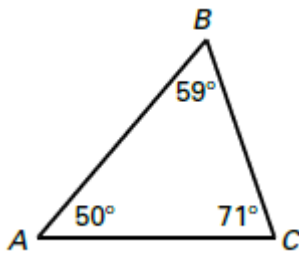
Describe the possible lengths of the third side of the triangle given the lengths of the other two sides.

3. 5 inches, 6 inches

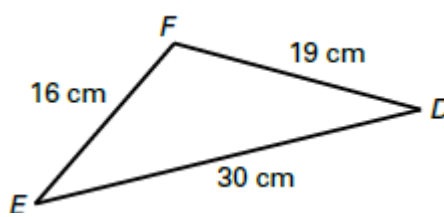
4. 14 feet, 21 feet

List the sides and angles in order from smallest to largest.

5.



6.



Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Copy and complete with $<$, $>$, or $=$.

7. PR ? VT

8. $m\angle 1$? $m\angle 2$

