

Name \_\_\_\_\_

Date \_\_\_\_\_

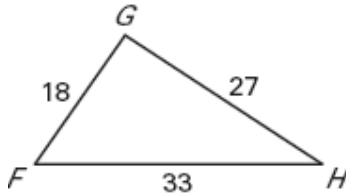
LESSON 5.5

**Practice C**

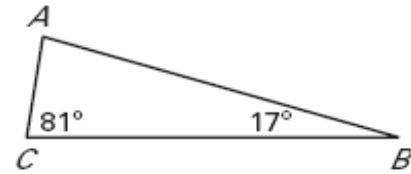
For use with pages 328–334

Name the smallest and largest angles and sides of the triangle.

1.

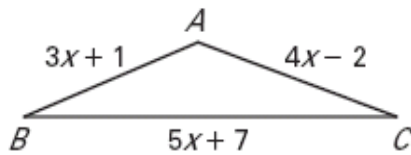


2.

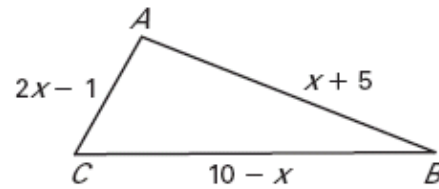


Solve the inequality  $AB + AC > BC$  for  $x$

3.

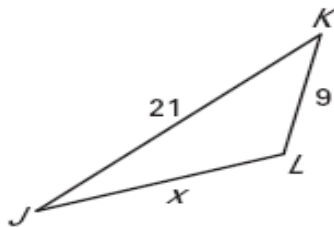


4.

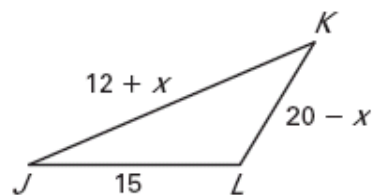


Find all possible values of  $x$  when  $m\angle J < m\angle K < m\angle L$ .

5.



6.



7. A triangle has sides that are 32, 48, and 61 units long and angles of  $31^\circ$ ,  $52^\circ$ , and  $97^\circ$ . Sketch and label a diagram with the longest side on the top and the smallest angle at the right.

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

8. 6 ft, 6ft

9. 9 in., 5 in.

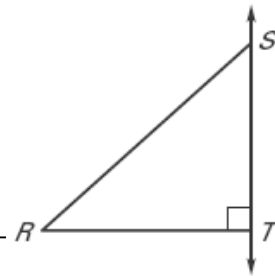
10. 11 yd, 6 yd

11. 7 ft, 24 in.

12. **Proof** Write a paragraph proof.

**GIVEN:**  $\overline{RT} \perp \overline{TS}$

**PROVE:**  $RS > RT$



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