Geometry
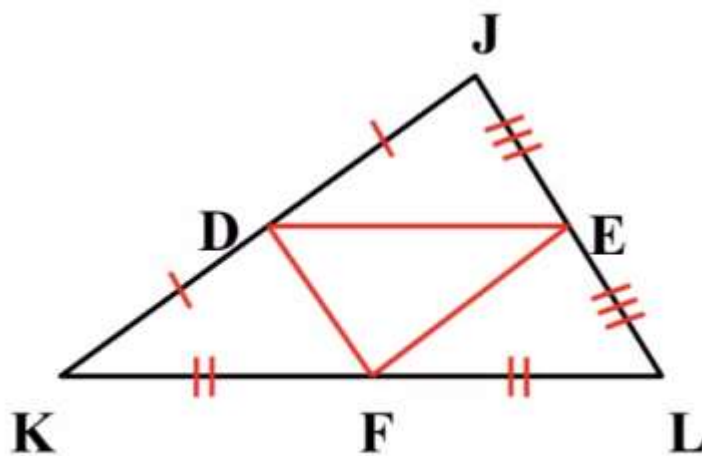**Chapter 6 Exam Review**

Topics that you should understand from Unit 6.

- Triangle Midsegment
- Triangle Inequalities in 1 triangle
- Triangle Inequalities in 2 triangles

Fill in the blanks.

1. $\overline{DE}$ is parallel to _____

2. $\overline{KJ}$ is parallel to _____

3. FE = ½ _____

4. JE = _____ = _____

5. If KL = 12, find DE

6. If DJ = 5, find FE

7. If KD = 15, find KJ

8. If DE = x + 5 and KL = 24, solve for x.

9. If JL = 3x + 6 and DF = x - 12, solve for x.

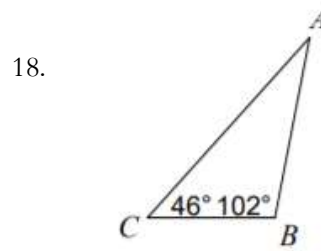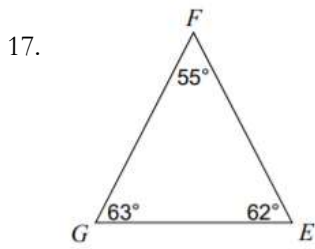**Determine if the given measurements can form a triangle.**

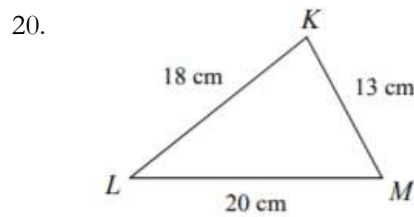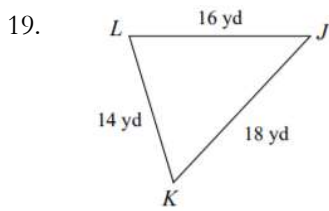10.   17, 10, 7   11.   12, 15, 13   12.   8, 10,8   13.   14, 7, 5

Determine what two numbers the length of the third side of a triangle will fall between, given the first two sides.

14.   7 and 12   15.   18 and 10   16.   13 and 20

List the sides in descending order.

17.

18.

List the angles in descending order.

19.

20.

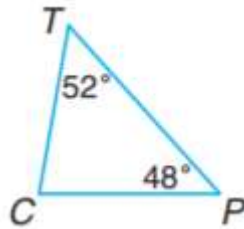**Fill in the blank with >, <, or = .**
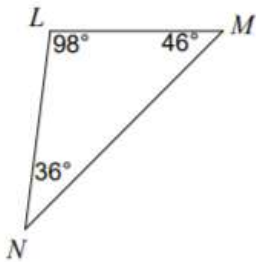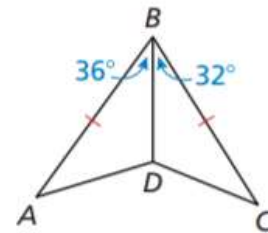
21.   LM _____ MN   22. CP _____ TP   23.   AD _____ DC

Write and solve an inequality for the variable.

24.

25.

27.

28.