

Name: _____

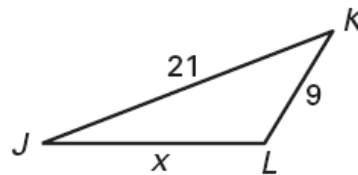
Triangle Inequality

Exercise 1: The measures of three sides of a triangle are given. Use the Triangle Inequality to find all possible values of x .

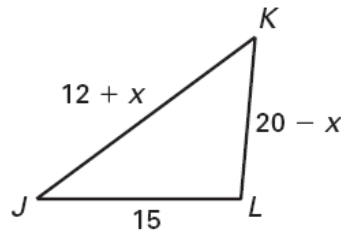
- 1) $5x - 3, 2x + 7, 3x$
- 2) $3, 7, x$
- 3) $2x + 5, 4x, 30 - x$
- 4) $8, 10 - x, 3 + x$
- 5) $5, x, x + 2$

Exercise 2: $m\angle J < m\angle K < m\angle L$. Find all possible values of x .

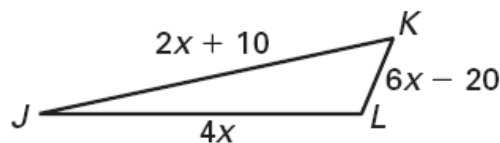
1)



2)



3)



Exercise 3: Arrange the sides of triangle ABD and triangle ADC in descending order.

