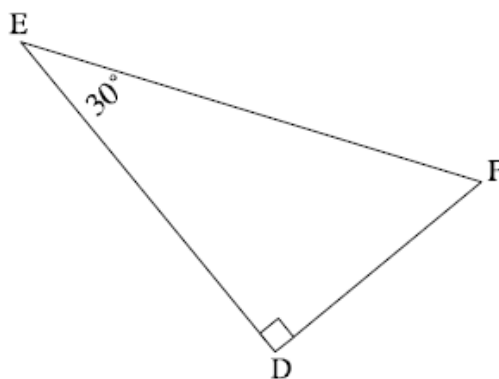


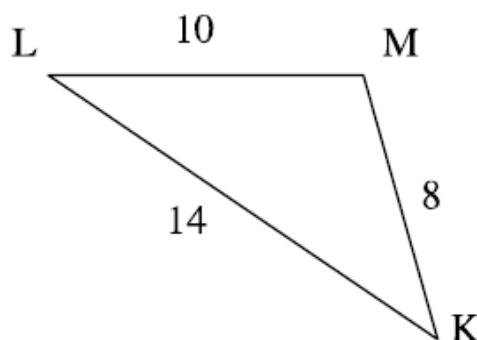
Name: _____

Triangle Inequality

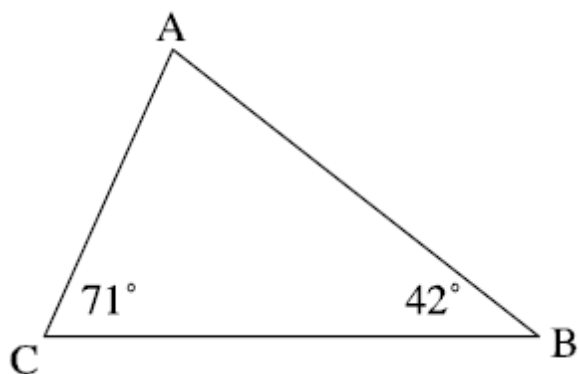
- 1) Determine whether it is possible to draw a triangle with sides having the given measures. If possible, write yes. If not possible, write no and make a sketch demonstrating why it is not possible.
 - 1) 3 cm, 4 cm, 5 cm
 - 2) 4 m, 5 m, 9 m
 - 3) 5 ft, 6 ft, 12 ft
 - 4) 3.5 cm, 4.5 cm, 7 cm
- 2) If 54 and 48 are the lengths of two sides of a triangle, what is the range of possible values for the length of the third side?
- 3) List the sides in order from least to greatest



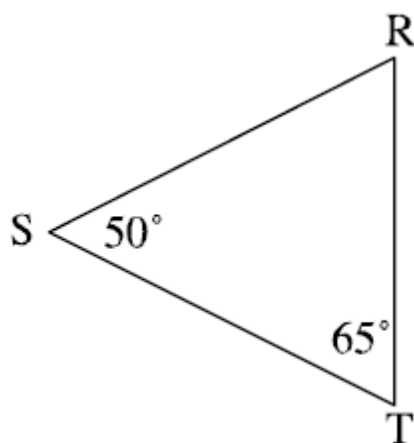
- 4) List the angles in order from smallest to largest



- 5) Name the shortest and longest sides of the triangle



- 6) Name the shortest and longest sides of the triangle



- 7) Name the smallest and largest angles of the triangle

