

Name: _____

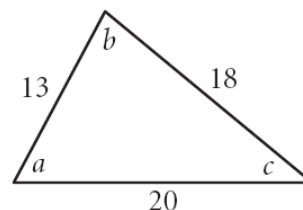
Triangle Inequality

Exercise 1: Determine whether it is possible to draw a triangle with sides of the given measures. If it is possible, write yes. If it is not possible, write no and make a sketch demonstrating why it is not possible.

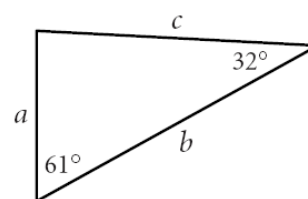
- 1) 16 cm, 30 cm, 45 cm
- 2) 7 cm, 6 cm, 12 cm
- 3) 1 cm, 2 cm, 3 cm
- 4) 21 m, 30 m, 27 m
- 5) 9 km, 17 km, 28 km
- 6) 32 in., 60 in., 87 in.
- 7) 13.4 ft, 17.7 ft, 31.1 ft

Exercise 2: Arrange the unknown measures in order from greatest to least.

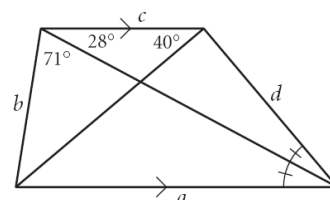
1)



2)



3)



4)

