

Name : _____

Triangle Inequality

Sheet 1

Determine if the three lengths can be the measures of the sides of a triangle.

1) 3 in, 9 in and 8 in

2) 37 ft, 13 ft and 21 ft

3) 16 ft, 6 ft and 2 ft

4) 7 yd, 5 yd and 10 yd

5) 25 yd, 17 yd and 29 yd

6) 32 in, 11 in and 20 in

7) Alice prepares a cheese sandwich for her supper. She stuffs an isosceles triangular cheese slice in it. Which of the following is the possible side measures of the cheese slice?

a) 3 in, 5 in, 8 in

b) 4 in, 4 in, 6 in

c) 3 in, 3 in, 6 in