

Name : \_\_\_\_\_

## Triangle Inequality

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

1) 3 mm, 9 mm and 8 mm

2) 37 cm, 13 cm and 21 cm

3) 16 cm, 6 cm and 2

0 m

5) 25 m, 17 m and 29 m

and 20 mm

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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) 5 cm, 13 cm, 18 cm

b) 10 cm, 10 cm, 15 cm

c) 7 cm, 7 cm, 20 cm