Name : _____

Triangle Inequality

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

1)   20 ft, 16 ft and 38 ft

2)   4 yd, 6 yd and 3 yd

3)   14 yd, 19 yd and 30   36 in

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5)   24 in, 9 in and 12 in   34 ft

7)   Mary forms a triangle by pasting the edges of three popsicle sticks. What are the possible lengths of the sticks used by Mary?

a)   3 in, 4 in, 5 in   b)   13 in, 2 in, 11 in   c)   10 in, 4 in, 5 in