Triangle Inequality

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

1)   20 m, 16 m and 38 m

2)   4 mm, 6 mm and 3 mm

3)   14 mm, 19 mm and   36 cm

5)   24 cm, 9 cm and 12   34 m

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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)   7 cm, 10 cm, 13 cm   b)   17 cm, 12 cm, 5 cm   c)   10 cm, 13 cm, 25 cm