Notes on Triangles Sum Theorem

Name:_____
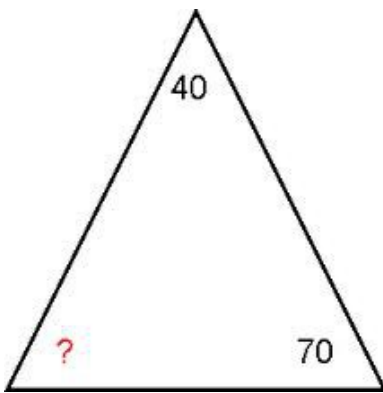
7th Grade Math
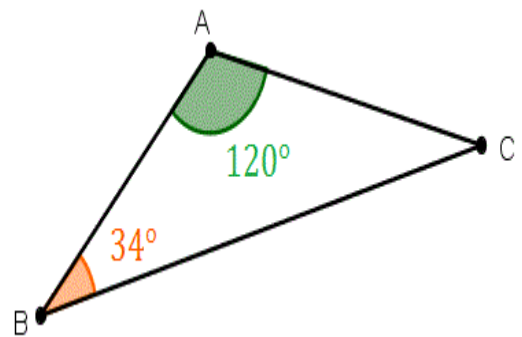
Triangle Sum Theorem

The sum of the interior angles of any triangle is equal to 180 degrees.
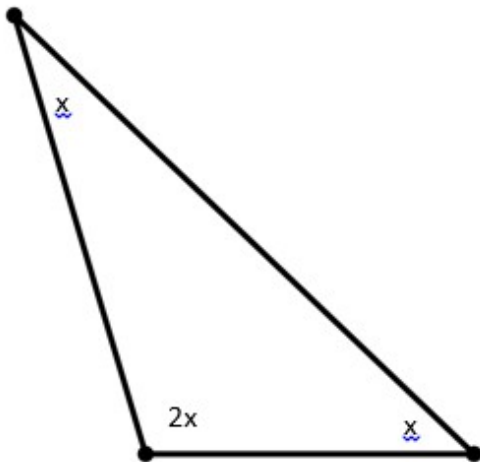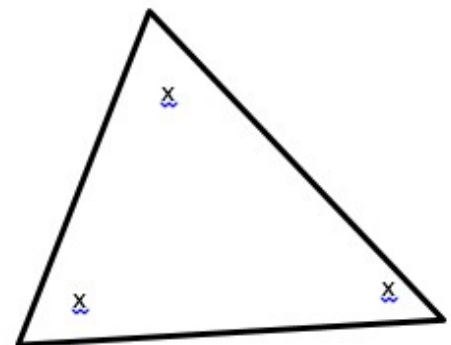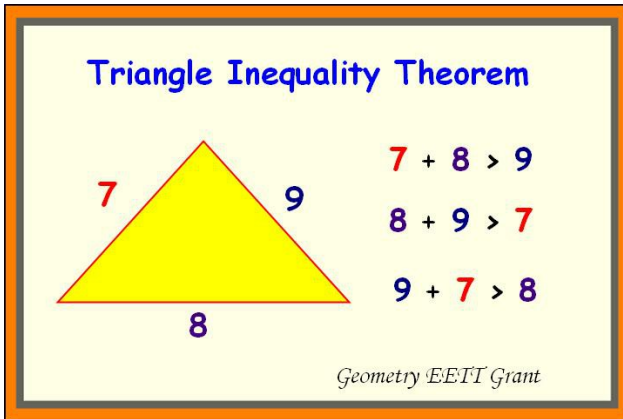
Examples:

1.

2.

3.

4.

Triangle Inequality Theorem

The triangle inequality theorem states that any side of a triangle is always shorter than the sum of the other two sides.

Show your work to distinguish if the following form a triangle.

Examples:

Triangle Inequality Theorem

7 + 8 > 9

8 + 9 > 7

9 + 7 > 8

7   9

8

Geometry EETT Grant

1) 7, 5, 4

2) 3, 6, 2

3) 5, 2, 4

4) 8, 1, 4