

Ex. 1 Determine the area of the given triangle.

 Formula for Area of SSS Triangles:
 "Heron's Formula"

 Area = _______
 where s = _______

 Ex. 2 Determine the area of the given triangle.

Ex. 3 The distance "as the crow flies" from Los Angeles to New York is 2451 miles, from New York to Montreal is 331 miles, and from Montreal to Los Angeles is 2427 miles. What is the area of the triangular region having these three cities as vertices? (Ignore the curvature of Earth.)

Examples. Find the area for each triangle.

1. $a = 8, b = 6, \gamma = 30^{\circ}$

3. A triangular lot has street frontage of 50', 60', and 80'. Find the area of the lot.

- 4. A triangular garden has sides of length 20 m, 30 m, and 30 m. Find the area of the garden.
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***Special Case:



Assignment:
 Practice Worksheet #1 Area of Triangles
 Practice Worksheet #2 Area of Triangles
 Practice Worksheet #1: Application Problems
 Practice Worksheet #2: Application Problems