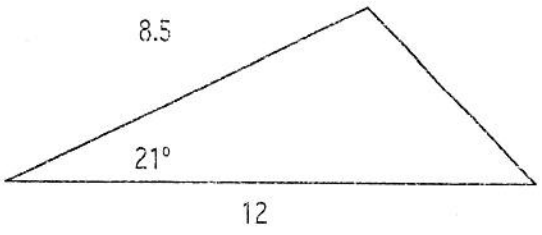
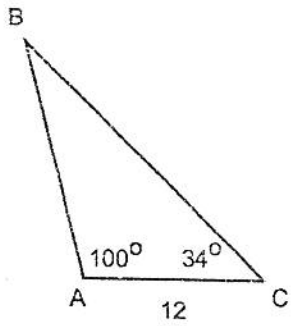
REVIEW: LAW OF SINES, LAW OF COSINES AND AREA OF A TRIANGLE

1. Find the area of each triangle.

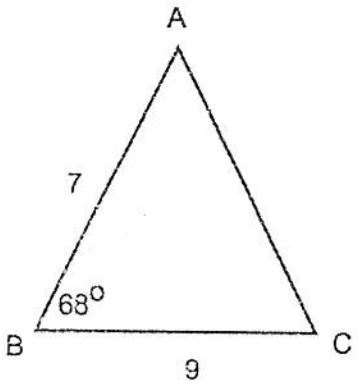


Solve each triangle (find all missing sides and angles).
the nearest degree.

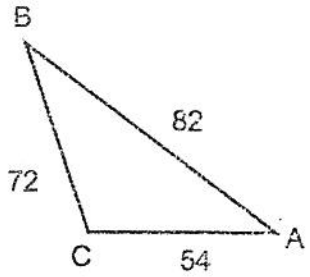
2.



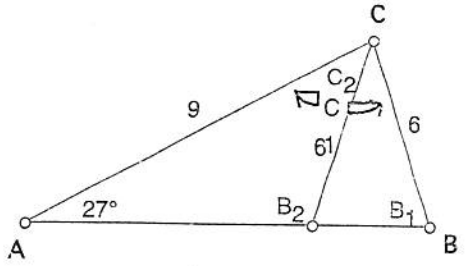
3.



Find all of the missing sides and angles in the triangle.



Find the two $\angle B$s and the two $\angle C$s in the two triangles formed in ΔABC: $\angle A = 27°$, a = 6 and b = 9.



$\angle A = 27°$ $\angle A = 27°$

$\angle B_1$= _____ $\angle B_2$= _____

$\angle C_1$= _____ $\angle C_2$= _____

In ΔABC, $\angle A = 78.6°$, $\angle C = 37.1°$ = and a = 6.89 feet. Find b and c

. A triangular garden has sides of 7 feet, 5 feet and 4 feet. Find, to the nearest degree, the angle between the sides measuring 7 feet and 5 feet.

. An Elementary School and a High School are 40 miles apart. How far to the nearest tenth of a mile is my house from the Elementary School?