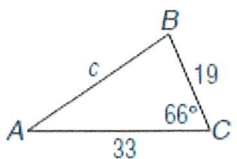


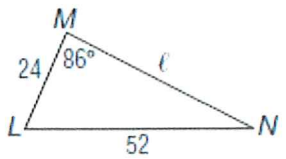
8-6 & 8-7 Practice, Law of Sines & Law of Cosines

Determine whether *Law of Sines* or the *Law of Cosines* should be used first to solve each triangle. Solve each triangle.

1.



2.



3. $a = 10, b = 14, c = 19$

4. $a = 12, b = 10, m\angle C = 27$

5. $a = 17, b = 22, m\angle B = 49$

6. **REAL ESTATE** The Esposito family purchased a triangular plot of land on which they plan to build a barn and corral. The lengths of the sides of the plot are 320 feet, 286 feet, and 305 feet. What are the measures of the angles formed on each side of the property?