Case #1

Case #2

SSS (three sides)

S

Law of Cosines: Let ΔXYZ be any triangle with x, y, and z representing the measures of the sides opposite the angles with measures X, Y, and Z respectively. Then, the following is true.



S

S

S

Ex A: Solve each triangle. Round angle measures tothe nearest minute and side measures to the nearest tenth.

 $x = 4, y = 5, m \angle Z = 50^{\circ}$ #1)



If you are given SSS, you must find the largest angle with cosine.

Pre-Calculus Page 1 of 2

