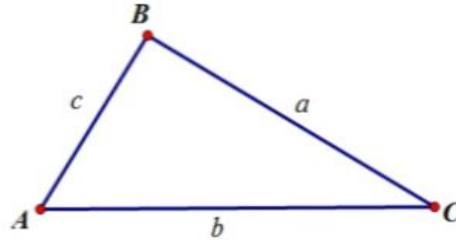


Law of Cosines

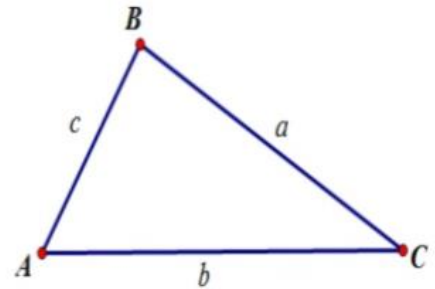
Let $\triangle ABC$ be any _____ with a , b , and c representing the measures of sides _____ angles with measurements A , B , & C , respectively.

**2 conditions:



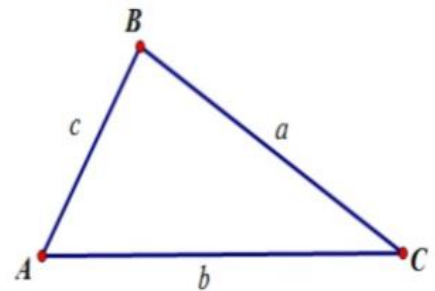
Example. Solve $\triangle ABC$. Round the angle measures to the nearest degree.

1. $a = 4$, $b = 7$, $c = 9$.



$A =$ _____ $a =$ _____
 $B =$ _____ $b =$ _____
 $C =$ _____ $c =$ _____

2. $a = 25$, $b = 30$, $\angle C = 160^\circ$.



$A =$ _____ $a =$ _____
 $B =$ _____ $b =$ _____
 $C =$ _____ $c =$ _____