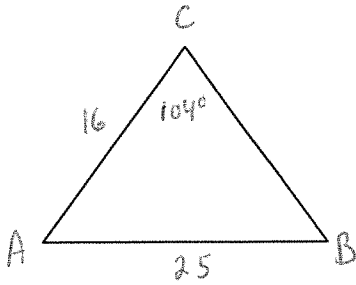


Solving Triangles: Law of Sines
Unit 5: Right Triangles and Trigonometry

Solve the following triangles given the provided information:

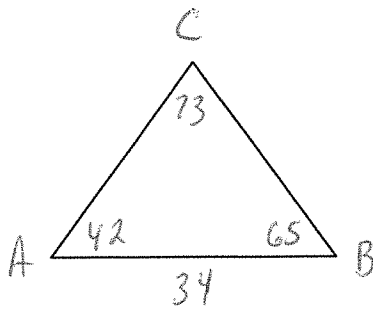
1. $\angle C = 104^\circ$, $b = 16$, & $c = 25$



Angles
 $\angle A \approx 37.6^\circ$
 $\angle B \approx 38.4^\circ$

Sides
 $a \approx 15.7$

2. $\angle A = 42^\circ$, $\angle C = 73^\circ$, & $c = 34$

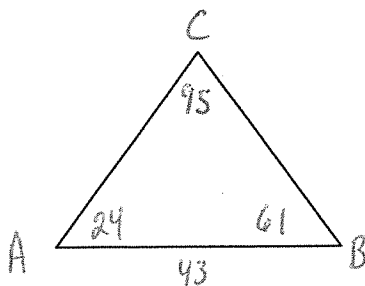


Angle
 $\angle B = 65^\circ$

Sides
 $a \approx 23.8$

$b \approx 32.2$

3. $\angle A = 24^\circ$, $\angle B = 61^\circ$, & $c = 43$

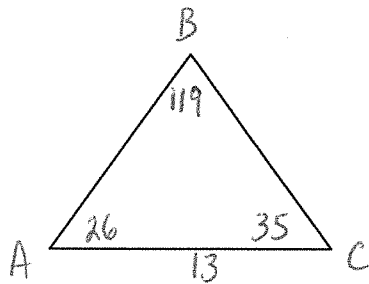


Angle
 $\angle C = 95^\circ$

Sides
 $a \approx 17.6$

$b \approx 37.8$

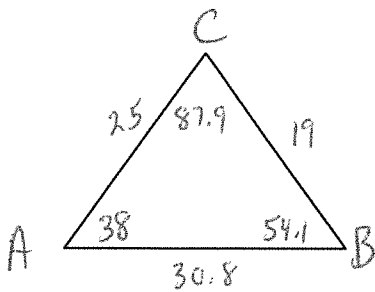
4. $\angle A = 26^\circ$, $\angle C = 35^\circ$, & $b = 13$



Angle
 $\angle B = 119^\circ$

Sides
 $a \approx 6.5$
 $c \approx 8.5$

5. $\angle A = 38^\circ$, $a = 19$, & $b = 25$



Angles
 $\angle B \approx 54.1^\circ$

Side
 $c \approx 30.8$

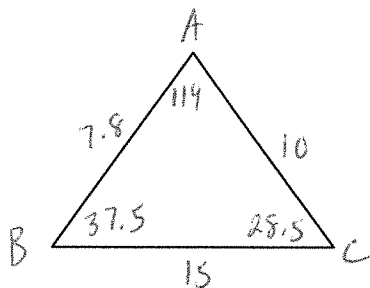
$\angle C \approx 87.9^\circ$
 OR

$\angle B = 125.9^\circ$

$c \approx 8.6$

$\angle C = 16.1^\circ$

6. $\angle A = 114^\circ$, $a = 15$, & $b = 10$



Angles
 $\angle B \approx 37.5^\circ$

Side
 $c \approx 7.8$

$\angle C \approx 28.5^\circ$