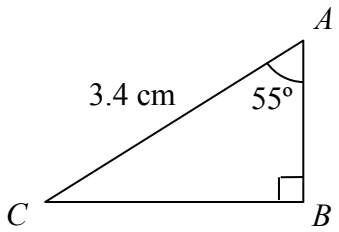
TRIGONOMETRY

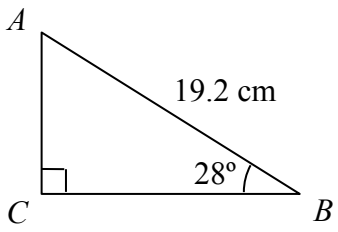
THE COSINE RATIO

Ref: G552. 3F2

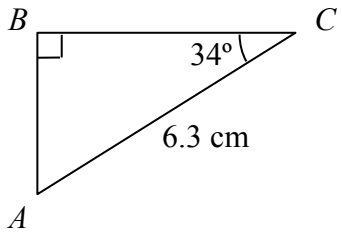
A1 Find length *AB*



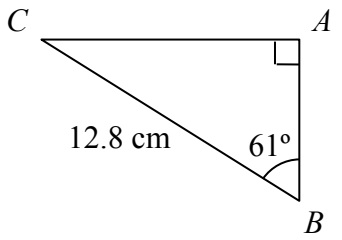
A2 Find length *BC*



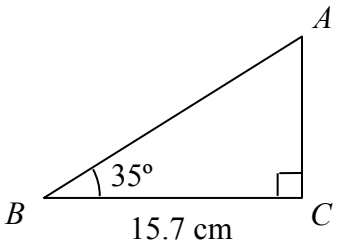
A3 Find length *BC*



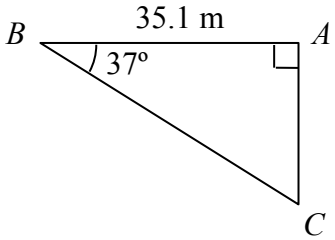
A4 Find length *AB*



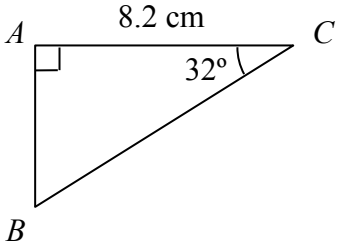
B1 Find length *AB*



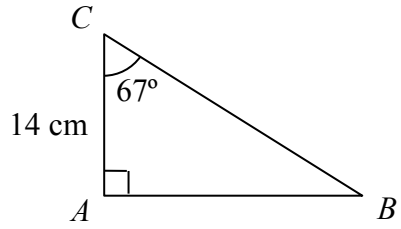
B2 Find length *BC*



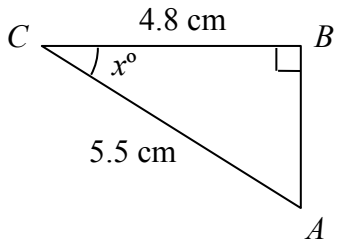
B3 Find length *BC*



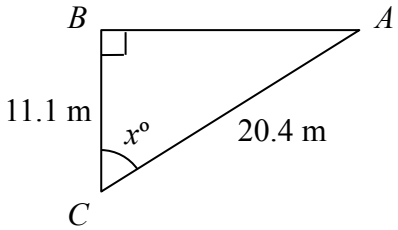
B4 Find length *BC*



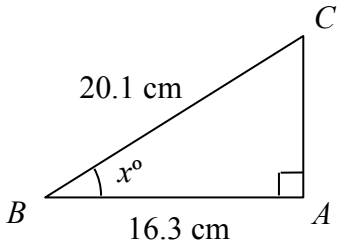
C1 Find angle *ACB*



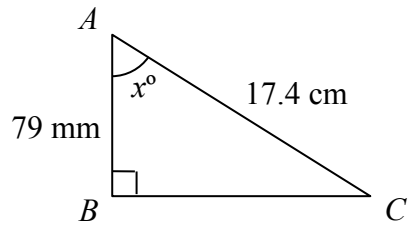
C2 Find angle *ACB*



C3 Find angle *ABC*



C4 Find angle *BAC*



TRIGONOMETRY

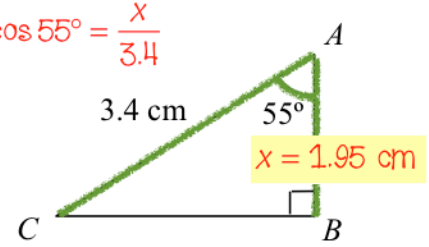
THE COSINE RATIO

$\cos\theta = \frac{adj}{hyp} \Rightarrow adj = hyp \times \cos\theta \Rightarrow hyp = \frac{adj}{\cos\theta}$

Ref: G552. **3F2**

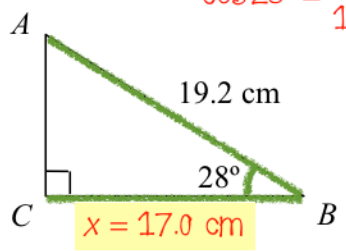
A1 Find length AB

$\cos 55° = \frac{x}{3.4}$

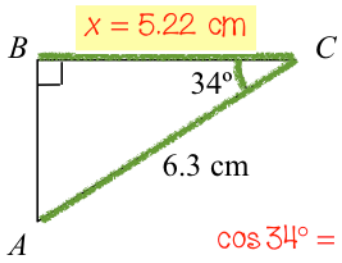


A2 Find length BC

$\cos 28° = \frac{x}{19.2}$

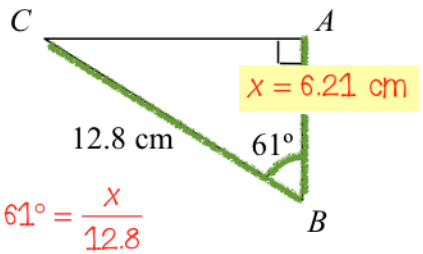


A3 Find length BC



$\cos 34° = \frac{x}{6.3}$

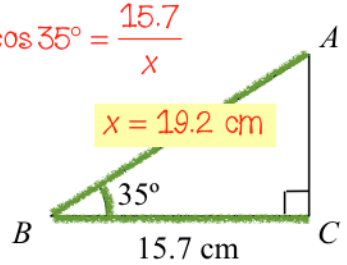
A4 Find length AB



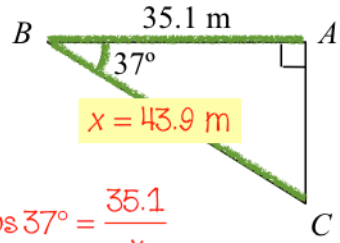
$\cos 61° = \frac{x}{12.8}$

B1 Find length AB

$\cos 35° = \frac{15.7}{x}$

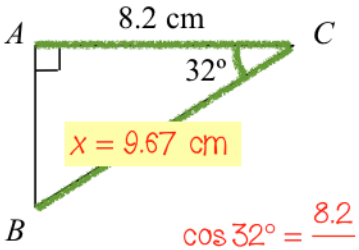


B2 Find length BC



$\cos 37° = \frac{35.1}{x}$

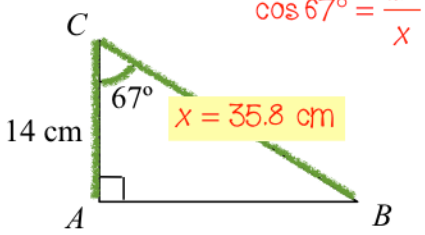
B3 Find length BC



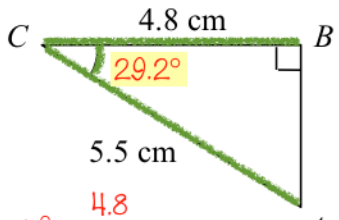
$\cos 32° = \frac{8.2}{x}$

B4 Find length BC

$\cos 67° = \frac{14}{x}$

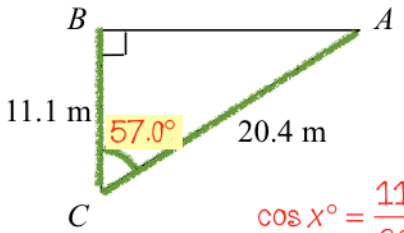


C1 Find angle ACB



$\cos x° = \frac{4.8}{5.5}$

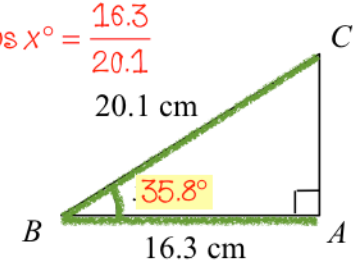
C2 Find angle ACB



$\cos x° = \frac{11.1}{20.4}$

C3 Find angle ABC

$\cos x° = \frac{16.3}{20.1}$



C4 Find angle BAC

$\cos x° = \frac{7.9}{17.4}$