

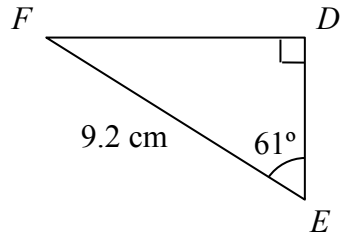


TRIGONOMETRY

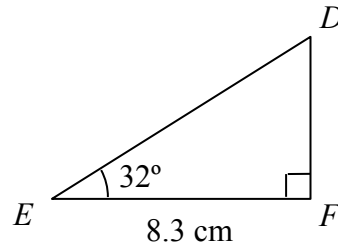
THE COSINE RATIO

Ref: G552. **3S2**

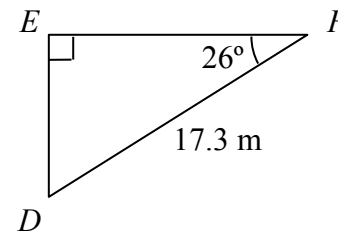
A1 Find length DE



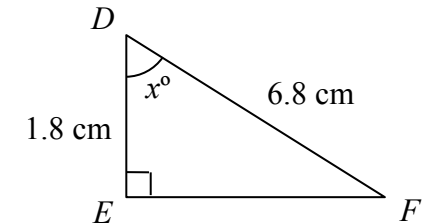
A2 Find length DE



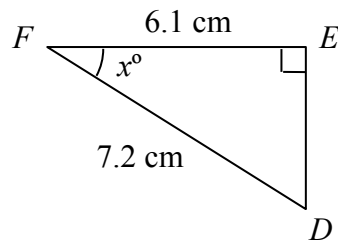
A3 Find length EF



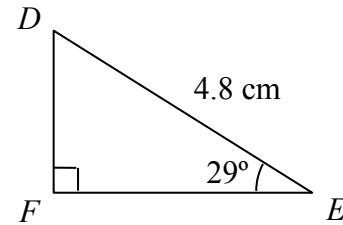
A4 Find angle EDF



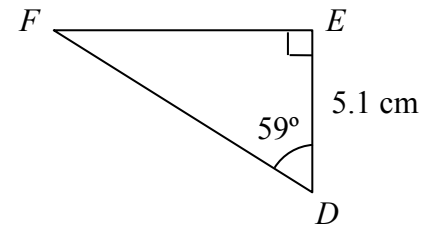
B1 Find angle DFE



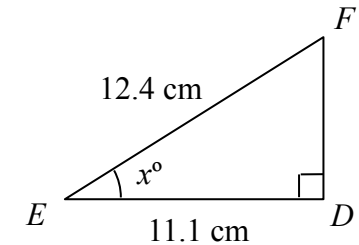
B2 Find length EF



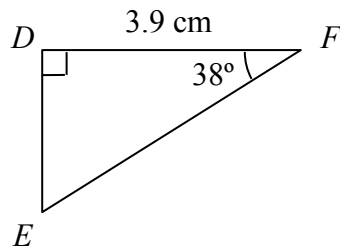
B3 Find length DF



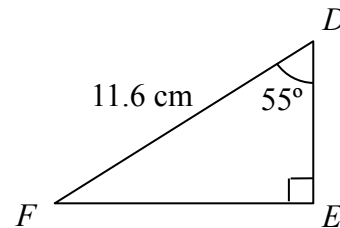
B4 Find angle DEF



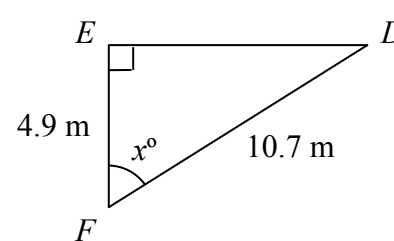
C1 Find length EF



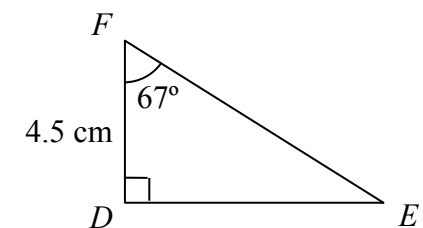
C2 Find length DE



C3 Find angle DFE



C4 Find length EF



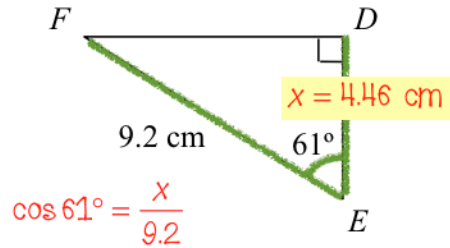


TRIGONOMETRY THE COSINE RATIO

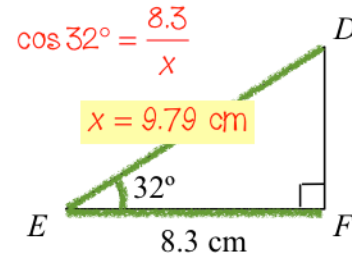
$$\cos \theta = \frac{\text{adj}}{\text{hyp}} \Rightarrow \text{adj} = \text{hyp} \times \cos \theta \Rightarrow \text{hyp} = \frac{\text{adj}}{\cos \theta}$$

Ref: G552. **3S2**

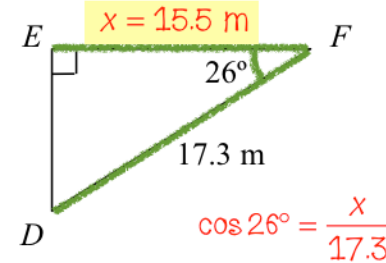
A1 Find length *DE*



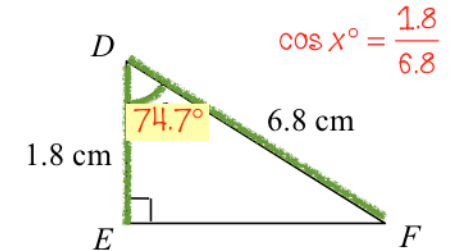
A2 Find length *DE*



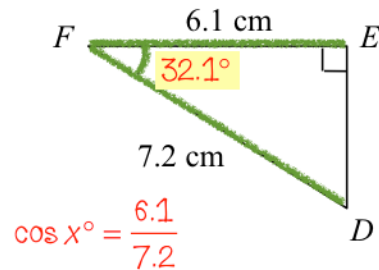
A3 Find length *EF*



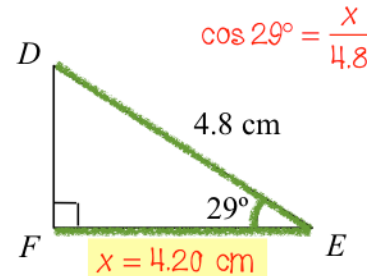
A4 Find angle *EDF*



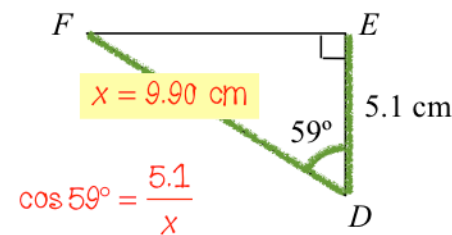
B1 Find angle *DFE*



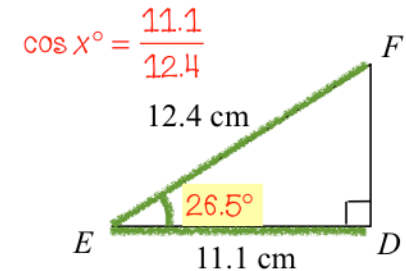
B2 Find length *EF*



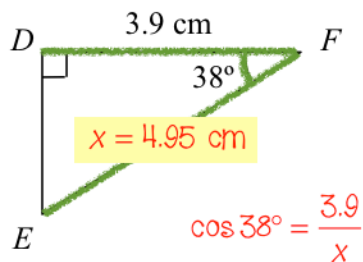
B3 Find length *DF*



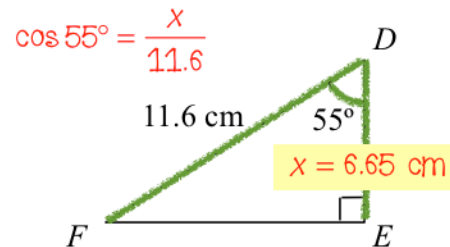
B4 Find angle *DEF*



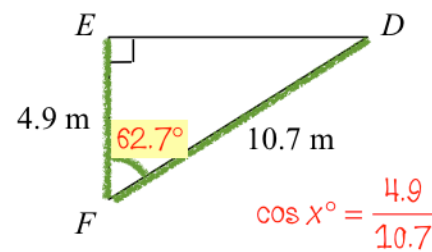
C1 Find length *EF*



C2 Find length *DE*



C3 Find angle *DFE*



C4 Find length *EF*

