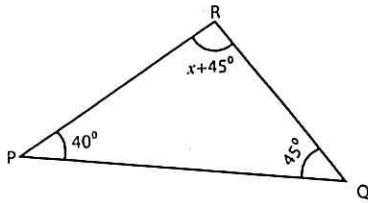


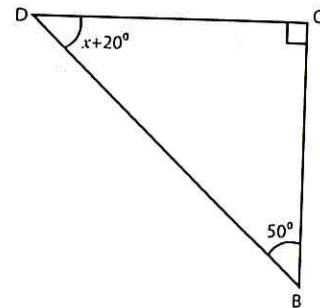
Unit 3 worksheet (Using Algebra)

Use the Triangle Angle-Sum theorem and the Triangle Exterior Angle Theorem to solve for  $x$ .

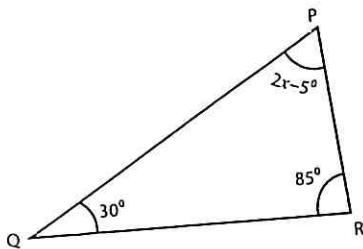
1)



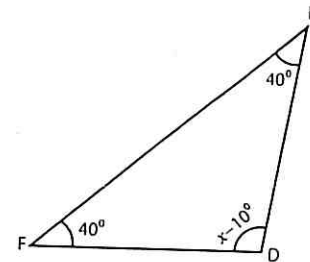
2)



3)

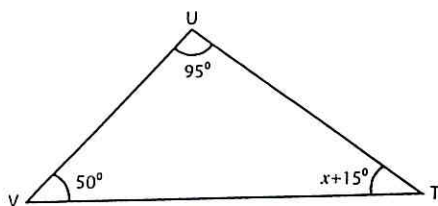


4)



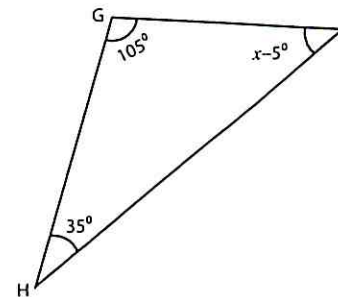
$x = \underline{\hspace{2cm}}$  ;  $\angle D = \underline{\hspace{2cm}}$

5)



$x = \underline{\hspace{2cm}}$  ;  $\angle T = \underline{\hspace{2cm}}$

6)



$x = \underline{\hspace{2cm}}$  ;  $\angle I = \underline{\hspace{2cm}}$