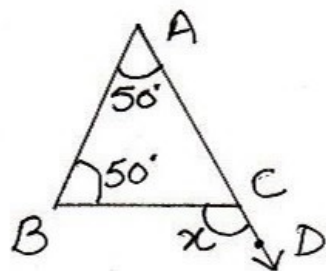
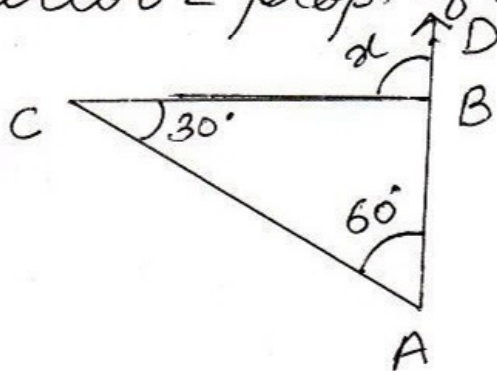


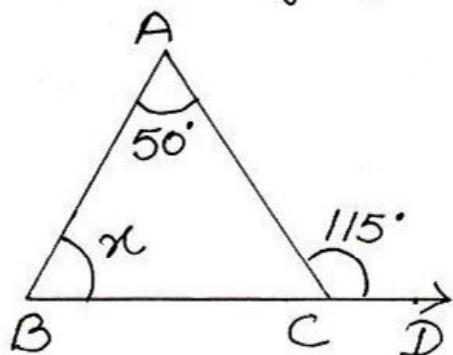
1(v) $\angle BCD = \angle A + \angle B$ (exterior \angle prop. of Δ)
 $x = 50 + 50$
 $\Rightarrow x = 100^\circ$



1(vi) $\angle CBD = \angle A + \angle C$ (exterior \angle prop. of Δ)
 $x = 60 + 30$
 $= 90^\circ$



2(i) $\angle ACD = \angle A + \angle B$ (exterior \angle property of Δ)
 $115 = 50 + x$
 $\Rightarrow x = 115 - 50$
 $= 65^\circ$



(ii) $\angle DBE = \angle A + \angle C$ (exterior \angle prop. of Δ)
 $100 = 70 + x$
 $\Rightarrow x = 100 - 70$
 $= 30^\circ$

