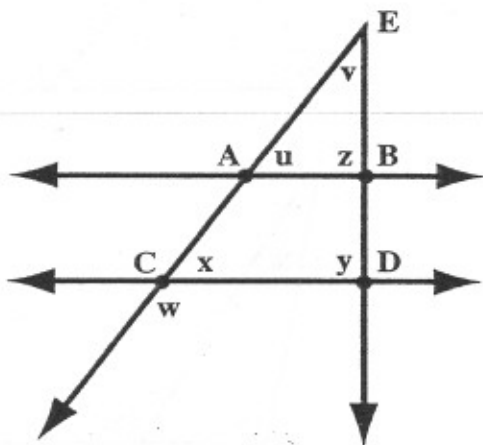


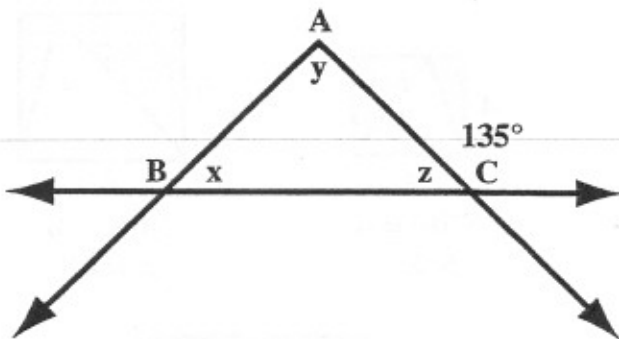
## IDENTIFY RELATIONSHIPS BETWEEN ANGLE MEASURES

30. Given that  $\overline{AB} \parallel \overline{CD}$  and  $\overline{BD} \perp \overline{CD}$ , which of the following statements is true for the figure shown? (The measure of angle  $ACD$  is represented by  $x$ .)



- A.  $w = v$   
 B.  $\angle EAB$  and  $\angle EBA$  are supplementary angles.  
 C.  $\angle AEB$  and  $\angle ECD$  are complementary angles.  
 D.  $z = x$

31. In  $\triangle ABC$ ,  $\overline{AB} \cong \overline{AC}$ , which of the following statements is true for the figure shown? (The measure of angle  $ABC$  is represented by  $x$ .)



- A.  $\triangle ABC$  is equilateral.  
 B.  $z = y$   
 C.  $\angle ABC$  and  $\angle ACB$  are supplementary angles.  
 D.  $\overline{AB} \perp \overline{AC}$