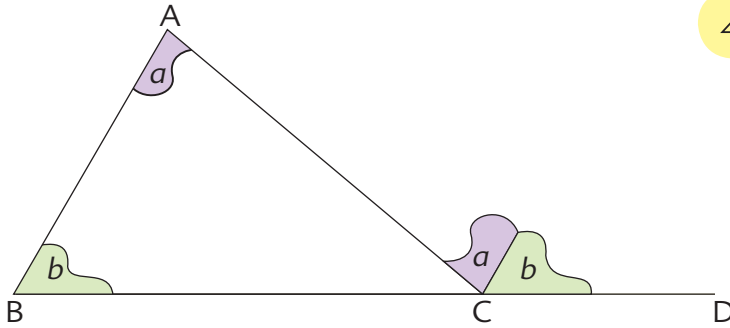


7. In triangle ABC, BC is extended to D.



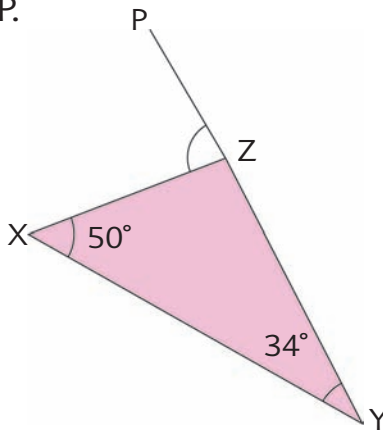
$$\angle ACD = \angle a + \angle b$$



$\angle ACD$  is an **exterior angle** of the triangle.  
 $\angle a$  and  $\angle b$  are **interior opposite angles** of  $\angle ACD$ .

The **exterior angle** of a triangle is equal to the sum of its **interior opposite angles**.

8. In triangle XYZ, YZ is extended to P,  $\angle ZXY = 50^\circ$  and  $\angle XYZ = 34^\circ$ . Find  $\angle XZP$ .



$$\angle XZP = 50^\circ + 34^\circ$$



9. In each figure, ACD is a straight line. Find the unknown marked angle.

