



To find  $\angle A + \angle B + \angle C + \angle D + \angle E$

Sol In  $\triangle EPQ$

$$\angle E + \angle 1 + \angle 2 = 180^\circ$$

[angle sum property of  $\triangle$ ]

$$\angle E + \angle B + \angle D + \angle A + \angle C = 180^\circ$$

[using exterior angle prop  
 $\triangle PBD, \triangle QAC$ ]