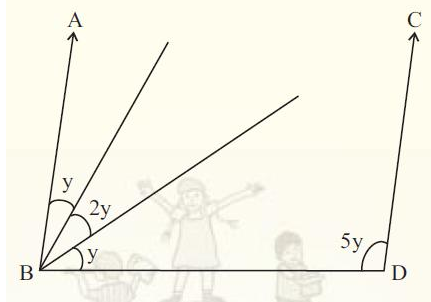
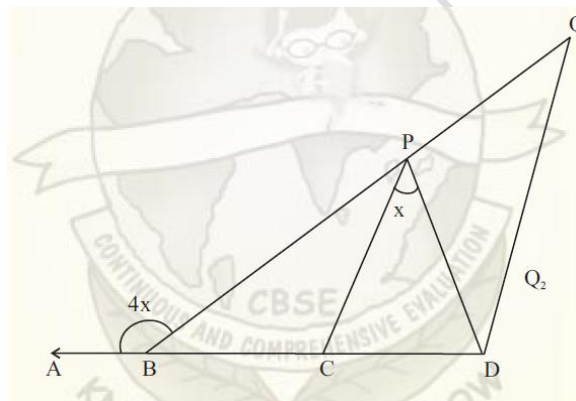


1. In the figure, If $AB \parallel CD$ then what is the value of y .



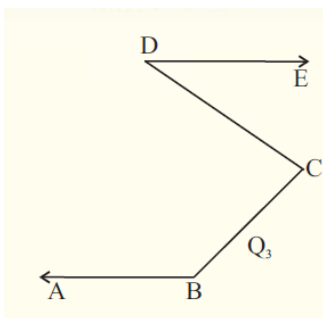
2. In the given figure, $ABCD$ and BPQ are lines. $BP = BC$ and $DQ \parallel CP$. Prove that

(i) $CP = CD$ (ii) DP bisects CDQ

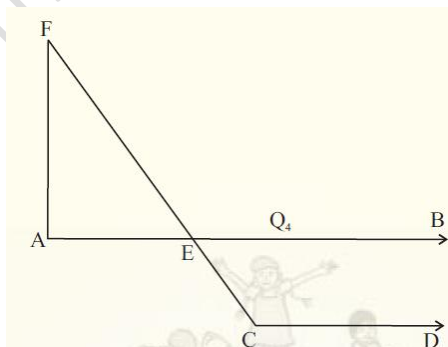


3. In the given figure, $BA \parallel DE$. Prove that

$$\angle ABC + \angle BCD = 180^\circ + \angle CDA$$



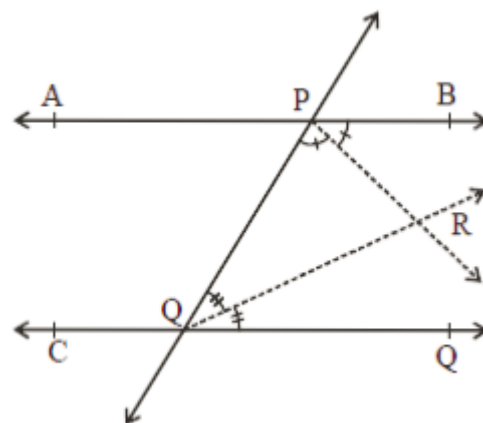
4. In figure, $AB \parallel CD$ and $\angle F = 30^\circ$. Find $\angle ACD$.



5. The angles of triangle are $(x + 10^\circ)$, $(2x - 30^\circ)$ and x° .

Find the value of x .

6. In the given figure $AB \parallel CD$. PR and QR are angle bisectors of $\angle BPQ$ and $\angle PQR$ respectively. Show that angle $PRQ = 90^\circ$



7 In the following figure $PQ \parallel ST$ find value of $\angle QRS$

