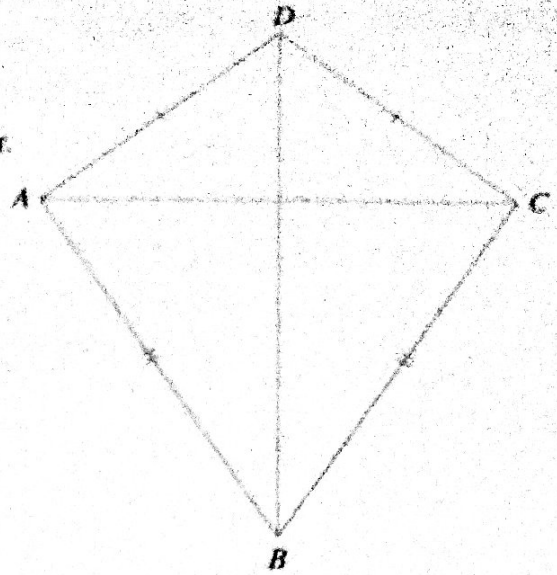
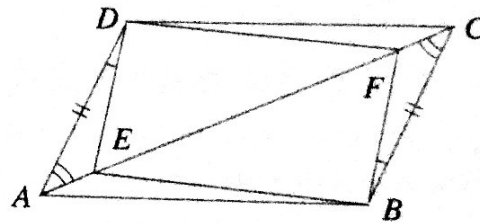


4. In the figure, $AD = CD$ and $AB = CB$.
Use congruent triangles to show that
- BD bisects \widehat{ADC} .
 - AC and DB are perpendicular to each other.

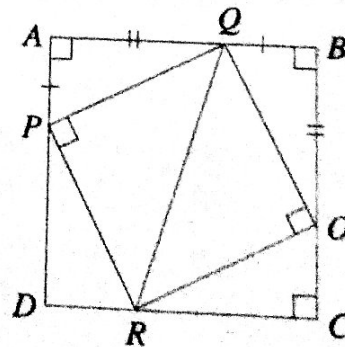


5. A rectangle is a special parallelogram with four right angles. Use congruent triangles to show that its diagonals are equal.

6. (a) Is $\triangle ADE$ congruent to $\triangle CBF$? Give reason.
(b) Explain why
- $\triangle DEF \equiv \triangle BFE$,
 - $\triangle ABE \equiv \triangle CDF$.



7. (a) Is $\triangle PAQ$ congruent to $\triangle QBO$? Give reason.
(b) Show that
- $\triangle PQR \equiv \triangle ORQ$,
 - $\triangle PDR \equiv \triangle RCO$.



8. In the figure, $DE \parallel BC$ and $AD = AE$. Show that
- $BD = CE$,
 - $BE = CD$.

