

EXERCISE 9.1

PAGE: 155

1. Which of the following figures lie on the same base and in-between the same parallels? In such a case, write the common base and the two parallels.

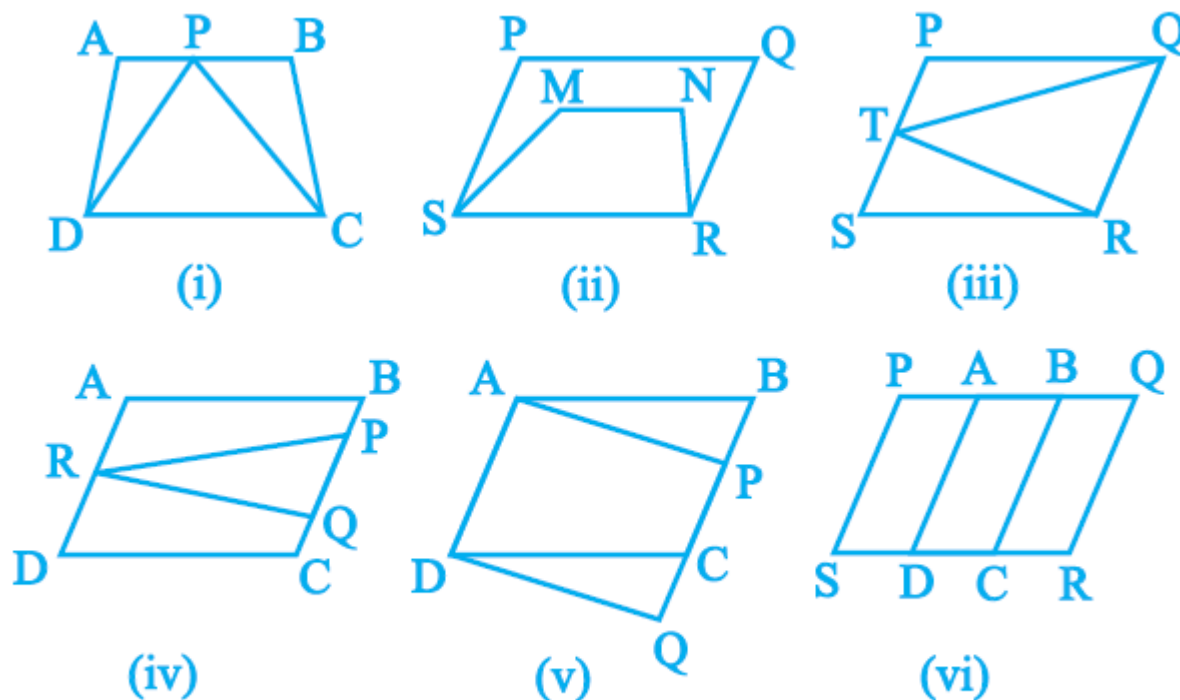


Fig. 9.8

Solution:

- (i) Trapezium ABCD and $\triangle PDC$ lie on the same DC and in-between the same parallel lines AB and DC.
- (ii) Parallelogram PQRS and trapezium SMNR lie on the same base SR but not in-between the same parallel lines.
- (iii) Parallelogram PQRS and $\triangle TRQ$ lie on the same base QR and in-between the same parallel lines QR and PS.
- (iv) Parallelogram ABCD and $\triangle PQR$ do not lie on the same base but in-between the same parallel lines BC and AD.
- (v) Quadrilateral ABQD and trapezium APCD lie on the same base AD and in-between the same parallel lines AD and BQ.
- (vi) Parallelogram PQRS and parallelogram ABCD do not lie on the same base SR but in-between the same parallel lines SR and PQ.