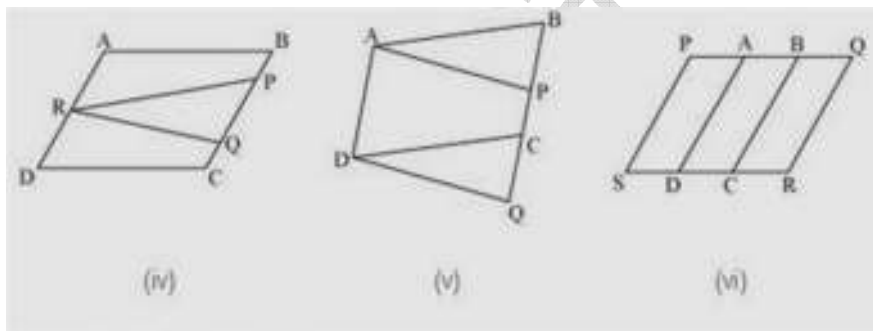
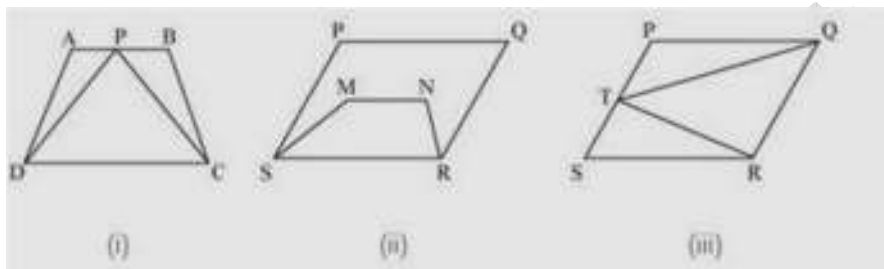


# Area of Parallelogram Exercise 1

## Question 1

Which of the following figure lie on the same base and between the same parallels. In such a case, write the common base and the two parallels



## Solution:

- i) Yes. Trapezium ABCD and triangle PCD are having a common base CD and these are lying between the same parallel lines AB and CD.
- ii) No. The parallelogram PQRS and trapezium MNRS are having a common base RS but their vertices (i.e. opposite to common base) P, Q of parallelogram and M, N of trapezium are not lying on a same line.

- iii) Yes. The Parallelogram PQRS and triangle TQR are having a common base QR and they are lying between the same parallel lines PS and QR.
- iv) No. We see that parallelogram ABCD and triangle PQR are lying between same parallel lines AD and BC but these are not having any common base.
- v) Yes. We may observe that parallelogram ABCD and parallelogram APQD have a common base AD and also these are lying between same parallel lines AD and BQ.
- vi) No. We may observe that parallelogram PBCS and PQRS are laying on same base PS, but these are not between the same parallel lines.