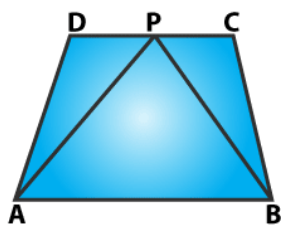
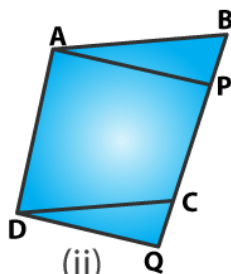


Exercise 15.1

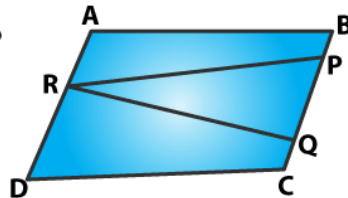
Question 1: Which of the following figures lie on the same base and between the same parallel. In such a case, write the common base and two parallels:



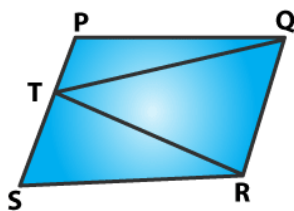
(i)



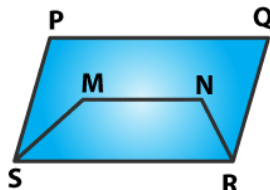
(ii)



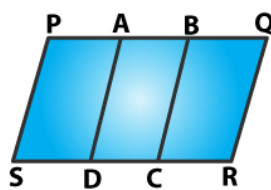
(iii)



(iv)



(v)



(vi)

Solution:

(i) Triangle APB and trapezium ABCD are on the common base AB and between the same parallels AB and DC.

So,

Common base = AB

Parallel lines: AB and DC

(ii) Parallelograms ABCD and APQD are on the same base AD and between the same parallels AD and BQ.

Common base = AD

Parallel lines: AD and BQ

RD Sharma Solutions for Class 9 Maths Chapter 15 Area of Parallelogram and Triangles

(iii) Consider, parallelogram ABCD and ΔPQR , lies between the same parallels AD and BC. But not sharing common base.

(iv) ΔQRT and parallelogram PQRS are on the same base QR and lies between same parallels QR and PS.

Common base = QR
Parallel lines: QR and PS

(v) Parallelograms PQRS and trapezium SMNR share common base SR, but not between the same parallels.

(vi) Parallelograms: PQRS, AQRD, BCQR are between the same parallels. Also, Parallelograms: PQRS, BPSC, APSD are between the same parallels.

