

11/9/2020
FRIDAY

MATHEMATICS

STD - 8
class - 28

Assignment

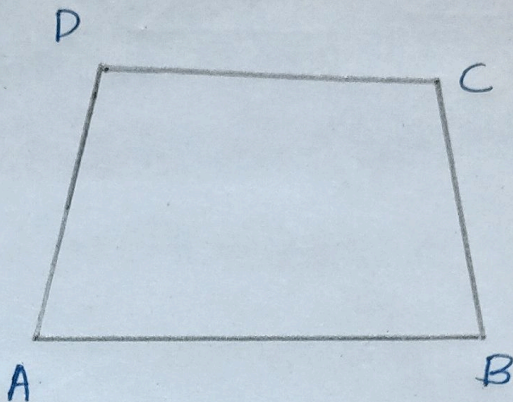
1) ABCD is an isosceles trapezium, check whether it is a cyclic quadrilateral?

Ans)

In the isosceles trapezium ABCD,
 $AD = BC$ and

AB is parallel to DC.

Also $\angle A = \angle B$.



Since AB and CD are parallel,

$$\angle A + \angle D = 180^\circ.$$

From this we get $\angle B + \angle D = 180^\circ$.

So ABCD is a cyclic quadrilateral.