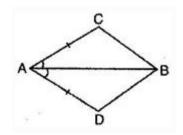
Updated On 11-02-2025 By Lithanya

# Chapter 7 - Triangles | NCERT Solutions for Class 9 Maths

Ex 7.1 Question 1.

In quadrilateral ABCD (See figure). AC=AD and AB bisects  $\angle A$ . Show that  $\triangle ABC\cong\triangle ABD$ . What can you say about BC and BD?



#### Answer.

Given: In quadrilateral ABCD, AC = AD and AB bisects  $\angle A$ .

To prove:  $\triangle ABC \cong \triangle ABD$ 

Proof: In  $\triangle ABC$  and  $\triangle ABD$ ,

AC = AD[Given]

 $\angle BAC = \angle BAD[\because AB \text{ bisects } \angle A]$ 

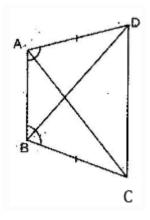
AB = AB[ Common ]

 $\therefore \triangle ABC \cong \triangle ABD$  [By SAS congruency]

Thus BC = BD [By C.P.C.T.]

Ex 7.1 Question 2.

ABCD is a quadrilateral in which AD = BC and  $\angle DAB = \angle CBA$ . (See figure). Prove that:



(i)  $\triangle$  ABD  $\cong$   $\triangle BAC$ 

(ii) BD = AC

(iii)  $\angle ABD = \angle BAC$ 

#### Answer.

(i) In  $\triangle ABC$  and  $\triangle ABD$ ,

BC = AD[Given]

 $\angle DAB = \angle CBA[$  Given]

 $AB = AB[\ \hbox{Common}]$ 

 $\therefore \triangle ABC \cong \triangle ABD$  [By SAS congruency]

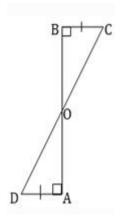




Thus AC = BD [By C.P.C.T.] (ii) Since  $\triangle ABC \cong \triangle ABD$   $\therefore AC = BD[By$  C.P.C.T.] (iii) Since  $\triangle ABC \cong \triangle ABD$   $\therefore \angle ABD = \angle BAC$  [By C.P.C.T.]

## Ex 7.1 Question 3.

AD and BC are equal perpendiculars to a line segment AB. Show that CD bisects AB (See figure)

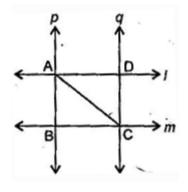


#### Answer.

In  $\triangle BOC$  and  $\triangle AOD$ ,  $\angle OBC = \angle OAD = 90^\circ$  [Given]  $\angle BOC = \angle AOD$  [Vertically Opposite angles] BC = AD[ Given ]  $\therefore \triangle BOC \cong \triangle AOD$  [By ASA congruency]  $\Rightarrow OB = OA$  and OC = OD[ By C.P.C.T. ]

#### Ex 7.1 Question 4.

l and m are two parallel lines intersected by another pair of parallel lines p and q (See figure). Show that  $\triangle ABC \cong \triangle CDA$ .



## Answer.

AC being a transversal. [Given]

Therefore  $\angle DAC = \angle ACB$  [Alternate angles]

Now  $p\|q$  [Given]

And AC being a transversal. [Given]

Therefore  $\angle BAC = \angle ACD$  [Alternate angles]

Now in  $\triangle ABC$  and  $\triangle ADC$ ,

 $\angle ACB = \angle DAC$  [Proved above]

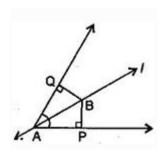
 $\angle BAC = \angle ACD$  [Proved above]

AC = AC[ Common ]

 $\therefore \triangle ABC \cong \triangle CDA$  [By ASA congruency]

## Ex 7.1 Question 5.

Line l is the bisector of the angle A and B is any point on l. BP and BQ are perpendiculars from B to the arms of  $\angle A$ . Show that:



(i)  $\triangle APB \cong \triangle AQB$ 

(ii) BP=BQ or P is equidistant from the arms of  $\angle A$  (See figure).

Answer.





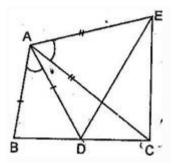


Given: Line  $^l$  bisects  $\angle A$ .  $\therefore \angle BAP = \angle BAQ$ (i) In  $\triangle ABP$  and  $\triangle ABQ$ ,  $\angle BAP = \angle BAQ$  [Given]  $\angle BPA = \angle BQA = 90^\circ$  [Given] AB = AB [Common]  $\therefore \triangle APB \cong \triangle AQB$  [By ASA congruency]

(ii) Since  $\triangle APB \cong \triangle AQB$   $\therefore BP = BQ[By \text{ C.P.C.T. }]$   $\Rightarrow B$  is equidistant from the arms of  $\angle A$ .

### Ex 7.1 Question 6.

In figure, AC = AB, AB = AD and  $\angle BAD = \angle EAC$ . Show that BC = DE.  $\land$ 



#### Answer.

Given that  $\angle BAD = \angle EAC$ 

Adding  $\angle$  DAC on both sides, we get  $\angle BAD + \angle DAC = \angle EAC + \angle DAC$   $\Rightarrow \angle BAC = \angle EAD \dots$  (i)

Now in  $\triangle ABC$  and  $\triangle AED$ ,

 $AB = AD[\ \mbox{Given}\ ]$ 

 $\mathrm{AC} = \mathrm{AE}[$  Given ]

 $\angle BAC = \angle DAE$  [From eq. (i)]

 $\therefore \triangle ABC \cong \triangle ADE$  [By SAS congruency]

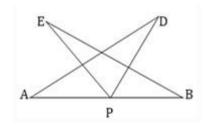
 $\Rightarrow \mathrm{BC} = \mathrm{DE}[\mathrm{By} \ \mathrm{C.P.C.T.}]$ 

## Ex 7.1 Question 7.

AB is a line segment and P is the mid-point. D and E are points on the same side of AB such that  $\angle BAD = \angle ABE$  and  $\angle EPA = \angle DPB$ . Show that:

(i)  $\triangle$  DAF  $\cong$   $\triangle FBP$ 

(ii) AD=BE (See figure)



## Answer.

Given that  $\angle EPA = \angle DPB$ 

Adding  $\angle$  EPD on both sides, we get  $\angle$ EPA +  $\angle$ EPD =  $\angle$ DPB +  $\angle$ EPD  $\Rightarrow$   $\angle$ APD =  $\angle$ BPE......(i)

Now in  $\triangle ext{APD}$  and  $\triangle ext{BPE}$ ,

 $\angle PAD = \angle PBE[\because \angle BAD = \angle ABE \text{ (given)},$ 

 $\therefore \angle PAD = \angle PBE$ 

AP = PB[P is the mid-point of AB]

 $\angle APD = \angle BPE [From eq. (i)]$ 

 $\therefore \triangle DPA \cong \triangle EBP[By ASA congruency]$ 

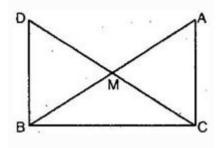
 $\Rightarrow$  AD = BE [ By C.P.C.T.]

# Ex 7.1 Question 8.

In right triangle ABC, right angled at C, M is the mid-point of hypotenuse AB. C is joined to M and produced to a point D such that DM = CM. Point D is joined to point B. (See figure)







Show that:

- (i)  $\triangle$  AMC  $\cong$   $\triangle$  BMD
- (ii)  $\angle DBC$  is a right angle.
- (iii)  $\triangle DBC \cong \triangle ACB$
- (iv)  $CM = \frac{1}{2}AB$

#### Answer.

- (i) In  $\triangle AMC$  and  $\triangle BMD$ ,
- AM = BM[AB is the mid-point of AB]
- $\angle AMC = \angle BMD$  [Vertically opposite angles]
- $\mathrm{CM} = \mathrm{DM}[$  Given]
- $\therefore \triangle AMC \cong \triangle BMD$  [By SAS congruency]
- $\therefore \angle ACM = \angle BDM$
- $\angle {\rm CAM} = \angle {\rm DBM}$  and  ${\rm AC} = {\rm BD}$  [By C.P.C.T.]
- (ii) For two lines AC and DB and transversal DC, we have,
- $\angle ACD = \angle BDC$  [Alternate angles]
- $\therefore AC||DB|$
- Now for parallel lines AC and DB and for transversal BC.
- $\angle DBC = \angle ACB$  [Alternate angles]
- But  $\triangle ABC$  is a right angled triangle, right angled at C.
- $\therefore \angle ACB = 90^{\circ}$
- Therefore  $\angle DBC = 90^{\circ}$  [Using eq. (ii) and (iii)]
- $\Rightarrow \angle DBC$  is a right angle.
- (iii) Now in  $\triangle DBC$  and  $\triangle ABC$ ,
- DB = AC[ Proved in part (i)]
- $\angle DBC = \angle ACB = 90^{\circ}$  [Proved in part (ii)]
- $\mathrm{BC}=\mathrm{BC}[$  Common ]
- $\therefore \triangle DBC \cong \triangle ACB$  [By SAS congruency]
- (iv) Since  $\triangle DBC \cong \triangle ACB$  [Proved above]
- $\therefore$  DC = AB
- $\Rightarrow AM + CM = AB$
- $\Rightarrow CM+CM=AB[\because DM=CM]$
- $\Rightarrow 2CM = AB$
- $\Rightarrow CM = \frac{1}{2}AB$





# Chapter 7 - Triangles | NCERT Solutions for Class 9 Maths

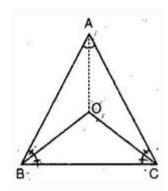
### Ex 7.2 Question 1.

In an isosceles triangle **ABC**, with **AB** = **AC**, the bisectors of  $\angle$ **B** and  $\angle$ **C** intersect each other at O. Join A to O. Show that:

- (i) OB = OC
- (ii) AO bisects  $\angle A$ .

#### Answer.

(i) ABC is an isosceles triangle in which AB = AC.



- $\therefore \angle C = \angle B$  [Angles opposite to equal sides]
- $\Rightarrow \angle OCA + \angle OCB = \angle OBA + \angle OBC$
- $:: OB \text{ bisects } \angle B \text{ and } OC \text{ bisects } \angle C$
- $\therefore \angle OBA = \angle OBC$  and  $\angle OCA = \angle OCB$
- $\Rightarrow \angle OCB + \angle OCB = \angle OBC + \angle OBC$
- $\Rightarrow 2 \angle OCB = 2 \angle OBC$
- $\Rightarrow \angle OCB = \angle OBC$

Now in  $\triangle OBC$ ,

 $\angle OCB = \angle OBC$  [Prove above]

 $\therefore$  OB = OC [Sides opposite to equal sides]

(ii) In  $\triangle AOB$  and  $\triangle AOC$ ,

AB = AC[ Given ]

 $\angle OBA = \angle OCA$  [Given]

And  $\angle B = \angle C$ 

$$\Rightarrow \frac{1}{2} \angle B = \frac{1}{2} \angle C$$

- $\Rightarrow \angle OBA = \angle OCA$
- $\Rightarrow$  OB = OC [Prove above]
- $\therefore \triangle AOB \cong \triangle AOC$  [By SAS congruency]
- $\Rightarrow \angle OAB = \angle OAC [By C.P.C.T.]$

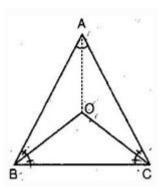
Hence AO bisects  $\angle A$ .

## Ex 7.2 Question 2.

In  $\triangle ABC, AD$  is the perpendicular bisector of BC (See figure). Show that  $\triangle ABC$  is an isosceles triangle in which AB = AC.







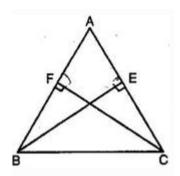
#### Answer.

In  $\triangle AOB$  and  $\triangle AOC$ , BD = CD[AD bisects BC]  $\angle ADB = \angle ADC = 90^{\circ}[AD \perp BC]$  AD = AD[Common]  $\therefore \triangle ABD \cong \triangle ACD$  [By SAS congruency]  $\Rightarrow AB = AC$  [By C.P.C.T.]

Therefore, ABC is an isosceles triangle.

#### Ex 7.2 Question 3.

ABC is an isosceles triangle in which altitudes BE and CF are drawn to sides AC and AB respectively (See figure). Show that these altitudes are equal.



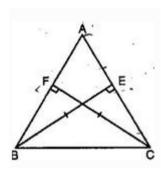
#### Answer.

In  $\triangle ABE$  and  $\triangle ACF$ ,  $\angle A = \angle A \text{ [Common]}$   $\angle AEB = \angle AFC = 90^{\circ} \text{ [Given]}$  AB = AC [Given]  $\therefore \triangle ABE \cong \triangle ACF \text{ [By ASA congruency]}$   $\Rightarrow BE = CF \text{ [By C.P.C.T.]}$   $\Rightarrow \text{ Altitudes are equal.}$ 

## Ex 7.2 Question 4.

ABC is a triangle in which altitudes BE and CF to sides AC and AB are equal (See figure). Show that: (i)  $\triangle ABE \cong \triangle ACF$ 

(ii) AB = AC or  $\triangle ABC$  is an isosceles triangle.



## Answer

(i) In  $\triangle ABE$  and  $\triangle ACF$ ,  $\angle A = \angle A$  [Common]  $\angle AEB = \angle AFC = 90^{\circ}$  [Given] BE = CF [Given]  $\therefore \triangle ABE \cong \triangle ACF$  [By ASA congruency] (ii) Since  $\triangle ABE \cong \triangle ACF$   $\Rightarrow BE = CF$  [By C.P.C.T.]  $\Rightarrow ABC$  is an isosceles triangle.

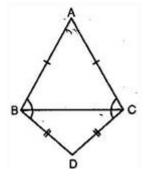
# Ex 7.2 Question 5.

ABC and DBC are two isosceles triangles on the same base BC (See figure). Show that  $\angle$   $\mathbf{ABD} = \angle$  ACD









#### Answer.

In isosceles triangle ABC,

AB = AC[ Given ]

 $\angle ACB = \angle ABC$ 

(i) [Angles opposite to equal sides]

Also in Isosceles triangle BCD.

BD = DC

 $\therefore \angle BCD = \angle CBD$ 

(ii) [Angles opposite to equal sides]

Adding eq. (i) and (ii),

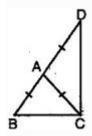
 $\angle ACB + \angle BCD = \angle ABC + \angle CBD$ 

 $\Rightarrow \angle ACD = \angle ABD$ 

or  $\angle ABD = \angle ACD$ 

## Ex 7.2 Question 6.

 $\triangle ABC$  is an isosceles triangle in which AB=AC. Side BA is produced to D such that AD=AB. Show that  $\angle BCD$  is a right angle (See figure).



#### Answer.

In isosceles triangle ABC,

AB = AC[ Given ]

 $\angle ACB = \angle ABC$ 

.(i) [Angles opposite to equal sides]

Now AD=AB[ By construction]

But AB = AC[ Given ]

$$\therefore AD = AB = AC$$

$$\Rightarrow \mathrm{AD} = \mathrm{AC}$$

Now in triangle ADC,

AD = AC

 $\Rightarrow \angle ADC = \angle ACD$ 

(ii) [Angles opposite to equal sides]

Since  $\angle BAC + \angle CAD = 180^\circ$ 

(iii) [Linear pair]

And Exterior angle of a triangle is equal to the sum of its interior opposite angles.

 $\therefore$  In  $\triangle ABC$ ,

 $\angle CAD = \angle ABC + \angle ACB = \angle ACB + \angle ACB$  [Using (i)]

 $\Rightarrow \angle CAD = 2\angle ACB$ 

Similarly, for  $\triangle ADC$ ,

$$\angle BAC = \angle ACD + \angle ADC$$

$$= \angle ACD + \angle ACD = 2\angle ACD$$

From eq. (iii), (iv) and (v),

$$2\angle ACB + 2\angle ACD = 180^{\circ}$$

$$\Rightarrow 2(\angle ACB + \angle ACD) = 180^{\circ}$$

$$\Rightarrow \angle ACB + \angle ACD = 90^{\circ}$$

$$\Rightarrow \angle BCD = 90^\circ$$

Hence  $\angle BCD$  is a right angle.

# Ex 7.2 Question 7.

 $\mathbf{ABC}$  is a right angled triangle in which  $\angle \mathbf{A} = 90^\circ$  and  $\mathbf{AB} = \mathbf{AC}$ . Find  $\angle \mathbf{B}$  and  $\angle \mathbf{C}$ .

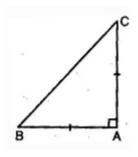
## Answer.

ABC is a right triangle in which,









$$\angle A = 90^{\circ} \text{ And AB} = AC$$

$$\operatorname{In} \triangle ABC$$

$$AB = AC$$

$$\Rightarrow \angle C = \angle B \dots (i)$$

We know that, in  $\triangle ABC$ ,

$$\angle A + \angle B + \angle C = 180^{\circ}$$
 [Angle sum property]

$$\Rightarrow 90^{\circ} + \angle B + \angle B = 180^{\circ}$$

$$[\angle A=90^\circ$$
 (given) and  $\angle B=\angle C$  (from eq. (i)]

$$\Rightarrow 2\angle B = 90^{\circ}$$

$$\Rightarrow \angle B = 45^{\circ}$$

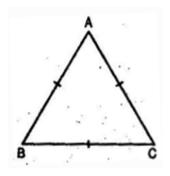
Also 
$$\angle C = 45^\circ [\angle B = \angle C]$$

### Ex 7.2 Question 8.

Show that the angles of an equilateral triangle are  $60^{\circ}$  each.

#### Answer.

Let ABC be an equilateral triangle.



$$AB = BC = AC$$

$$\Rightarrow AB = BC$$

$$\Rightarrow \angle C = \angle A \dots$$

Similarly, 
$$AB=AC$$

$$\Rightarrow \angle C = \angle B$$

From eq. (i) and (ii),

$$\angle A = \angle B = \angle C$$

Now in  $\triangle ABC$ 

$$\angle A + \angle B + \angle C = 180^{\circ} \dots (iv)$$

$$\Rightarrow \angle A + \angle A + \angle A = 180^\circ$$

$$\Rightarrow 3\angle A = 180^\circ$$

$$\Rightarrow \angle A = 60^{\circ}$$

Since 
$$\angle A = \angle B = \angle C[$$
 From eq. (iii)  $]$ 

$$\therefore \angle A = \angle B = \angle C = 60^{\circ}$$

Since 
$$\angle A = \angle B = \angle C$$
 [From eq. (iii)]

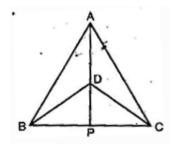
Hence each angle of equilateral triangle is  $60^{\circ}$ .



# Chapter 7 - Triangles | NCERT Solutions for Class 9 Maths

Ex 7.3 Question 1.

 $\triangle ABC$  and  $\triangle DBC$  are two isosceles triangles on the same base BC and vertices A and D are on the same side of BC (See figure). If AD is extended to intersect BC at P, show that:



- (i)  $\triangle ABD \cong \triangle ACD$
- (ii)  $\triangle \mathbf{ABP} \cong \triangle \mathbf{ACP}$
- (iii) AP bisects  $\angle \mathbf{A}$  as well as  $\angle \mathbf{D}$ .
- (iv) AP is the perpendicular bisector of BC.

#### Answer.

- (i)  $\triangle ABC$  is an isosceles triangle.
- $\therefore AB = AC$

 $\triangle DBC$  is an isosceles triangle.

 $\therefore BD = CD$ 

Now in  $\triangle ABD$  and  $\triangle ACD$ ,

AB = AC[ Given ]

BD = CD[ Given ]

AD = AD[Common]

- $\therefore \Delta ABD \cong \triangle ACD$  [By SSS congruency]
- $\Rightarrow \angle BAD = \angle CAD$  [By C.P.C.T.]
- (ii) Now in  $\triangle ABP$  and  $\triangle ACP$ ,

AB = AC[ Given ]

 $\angle BAD = \angle CAD[$  From eq. (i)]

AP = AP

- $\therefore \Delta ABP \cong \triangle ACP$  [By SAS congruency]
- (iii) Since  $\triangle ABP \cong \triangle ACP$  [From part (ii)]
- $\Rightarrow \angle BAP = \angle CAP[By C.P.C.T.]$
- $\Rightarrow$  AP bisects  $\angle A$ .

Since  $\triangle ABD \cong \triangle ACD[$  From part (i) ]

 $\Rightarrow \angle ADB = \angle ADC$  [By C.P.C.T.]

Now  $\angle ADB + \angle BDP = 180^{\circ}$  [Linear pair]

And  $\angle ADC + \angle CDP = 180^{\circ}$  [Linear pair]





From eq. (iii) and (iv),

 $\angle ADB + \angle BDP = \angle ADC + \angle CDP$ 

 $\Rightarrow \angle ADB + \angle BDP = \angle ADB + \angle CDP[Using (ii)]$ 

 $\Rightarrow \angle BDP = \angle CDP$ 

 $\Rightarrow$  DP bisects  $\angle D$  or AP bisects  $\angle D$ .

(iv) Since  $\triangle ABP \cong \triangle ACP[$  From part (ii)]

 $\therefore BP = PC[By \text{ C.P.C.T.}]$ 

And  $\angle APB = \angle APC[By \text{ C.P.C.T. }]$  (vi)

Now  $\angle APB + \angle APC = 180^{\circ}$  [Linear pair ]

 $\Rightarrow \angle APB + \angle APC = 180^{\circ} [Using eq. (vi)]$ 

 $\Rightarrow 2\angle APB = 180^{\circ}$ 

 $\Rightarrow \angle APB = 90^{\circ}$ 

 $\Rightarrow$  AP  $\perp$  BC

From eq. (v), we have BP PC and from (vii), we have proved AP  $\perp$ . So, collectively AP is perpendicular bisector of BC.

#### Ex 7.3 Question 2.

AD is an altitude of an isosceles triangle ABC in which AB=AC. Show that:

(i) AD bisects BC.

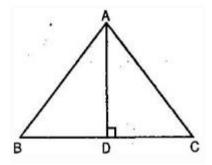
(ii) AD bisects  $\angle A$ .

#### Answer.

In  $\triangle ABD$  and  $\triangle ACD$ ,

AB = AC[ Given]

 $\angle ADB = \angle ADC = 90^{\circ} [AD \perp BC]$ 



 $\mathrm{AD} = \mathrm{AD}$  [Common]

 $\therefore \triangle ABD \cong \triangle ACD[RHS \text{ rule of congruency}]$ 

 $\Rightarrow BD = DC$  [By C.P.C.T.]

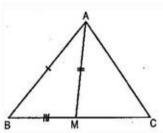
 $\Rightarrow AD$  bisects BC

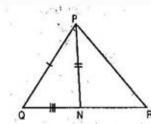
Also  $\angle \mathrm{BAD} = \angle \mathrm{CAD}$  [By C.P.C.T.]

 $\Rightarrow$  AD bisects  $\angle A$ .

# Ex 7.3 Question 3.

Two sides AB and BC and median AM of the triangle ABC are respectively equal to side PQ and QR and median PN of  $\triangle$  PQR (See figure). Show that:





(i)  $\triangle$  ABM  $\cong$   $\triangle$  PQN

(ii)  $\triangle ABC \cong \triangle PQR$ 

## Answer.

AM is the median of  $\triangle ABC$ .

$$\therefore BM = MC = \frac{1}{2}BC$$

PN is the median of  $\triangle PQR$ .

Now BC = QR [ Given]  $\Rightarrow \frac{1}{2}BC = \frac{1}{2}QR$ 

 $\therefore BM = QN$ 

(i) Now in  $\triangle ABM$  and  $\triangle PQN$ ,

AB = PQ[ Given ]

 $\mathrm{AM} = \mathrm{PN}[$  Given ]

 $\mathrm{BM}=\mathrm{QN}[$  From eq. (iii)]

 $\therefore \triangle ABM \cong \triangle PQN$  [By SSS congruency]





 $\Rightarrow \angle B = \angle Q [By C.P.C.T.]$ 

(ii) In  $\triangle ABC$  and  $\triangle PQR$ ,

AB = PQ [Given]

 $\angle B = \angle Q$  [Prove above]

 $BC = QR[\ \text{Given}]$ 

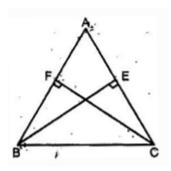
 $\therefore \triangle ABC \cong \triangle PQR$  [By SAS congruency]

### Ex 7.3 Question 4.

BE and CF are two equal altitudes of a triangle ABC. Using RHS congruence rule, prove that the triangle ABC is isosceles.

#### Answer.

In  $\triangle BEC$  and  $\triangle CFB$ ,



 $\angle \mathrm{BEC} = \angle \mathrm{CFB} \, [ \, \mathrm{Each} \, \, 90^{\circ} ]$ 

BC = BC [Common]

BE = CF [Given]

 $\therefore \Delta BEC \cong \Delta CFB [RHS congruency]$ 

 $\Rightarrow$  EC = FB [By C.P.C.T.] ....(i)

Now In  $\triangle AEB$  and  $\triangle AFC$ 

 $\angle \text{AEB} = \angle \text{AFC} [ \text{ Each } 90^{\circ} ]$ 

 $\angle A = \angle A[Common]$ 

BE = CF [Given]

 $\therefore \Delta AEB \cong \Delta AFC$  [ASA congruency]

 $\Rightarrow$  AE = AF[By C.P.C.T.]

Adding eq. (i) and (ii), we get,

EC + AE = FB + AF

 $\Rightarrow AB = AC$ 

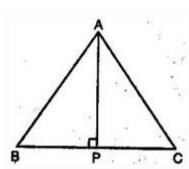
 $\Rightarrow ABC$  is an isosceles triangle.

## Ex 7.3 Question 5.

ABC is an isosceles triangles with AB=AC. Draw  $AP\perp BC$  and show that  $\angle B=\angle C$ .

# Answer.

Given: ABC is an isosceles triangle in which AB = AC



To prove:  $\angle B = \angle C$ 

Construction: Draw AP  $\perp$  BC

Proof: In  $\triangle ABP$  and  $\triangle ACP$ 

 $\angle APB = \angle APC = 90^{\circ}$  [By construction]

AB = AC [Given]

AP = AP [Common]

 $\therefore \triangle ABP \cong \triangle ACP [RHS congruency]$ 

 $\Rightarrow \angle B = \angle C$  [By C.P.C.T. ]



