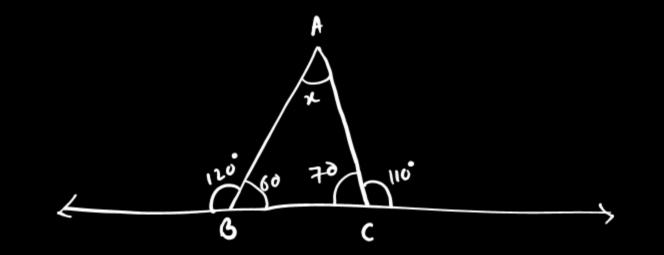
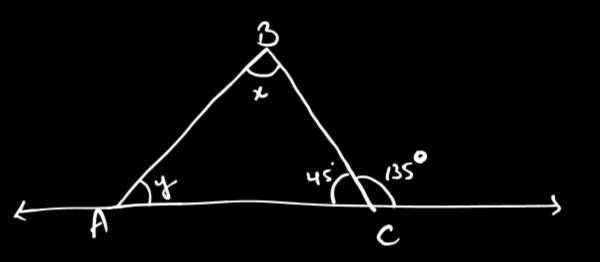
Triangles: Pythagorean Theorem



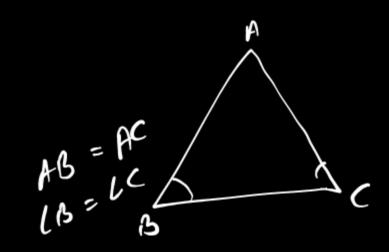


**Q**.

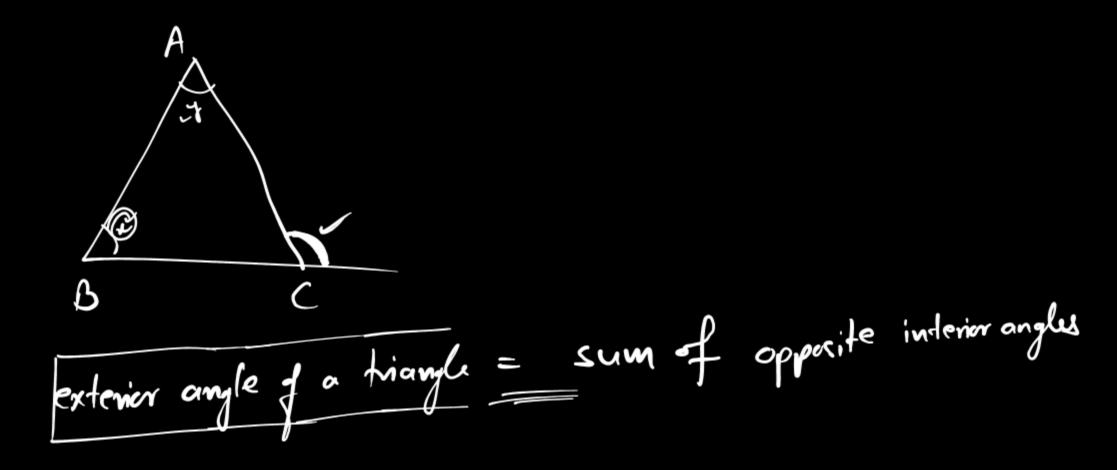




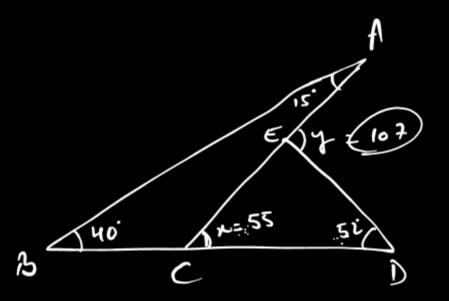
AP BC = AC



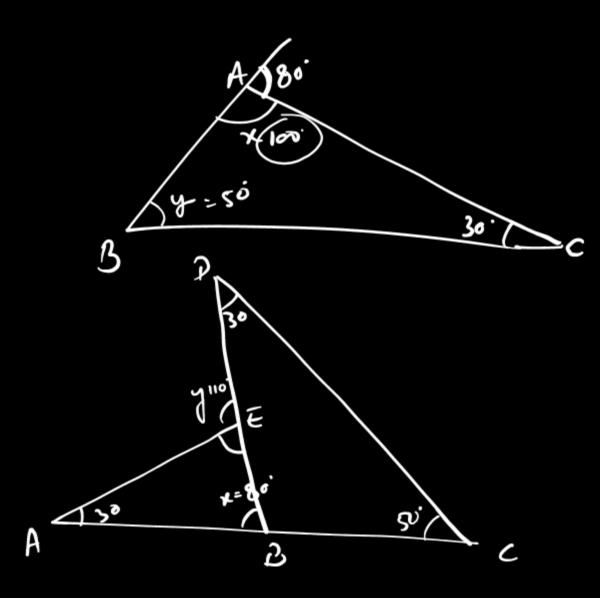










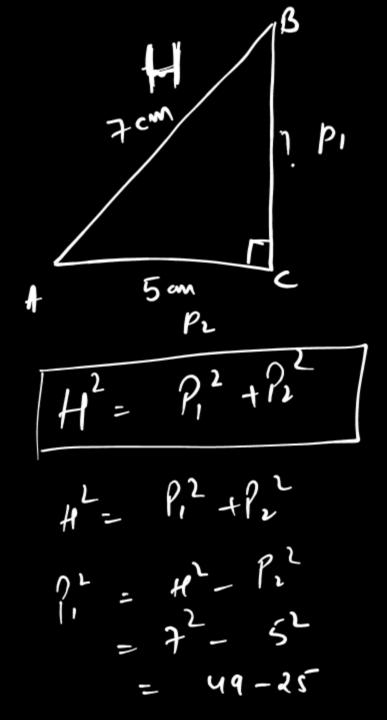






A AB=Ycm. BC=3cm AE Sungth of AC . find Theorem Pythe gora, Using +BC° AB  $AC^{L} = .$ AC 16+9 AC 25 5 m . AC





AB=7 cmm 5 om AC = BC = P.2 24

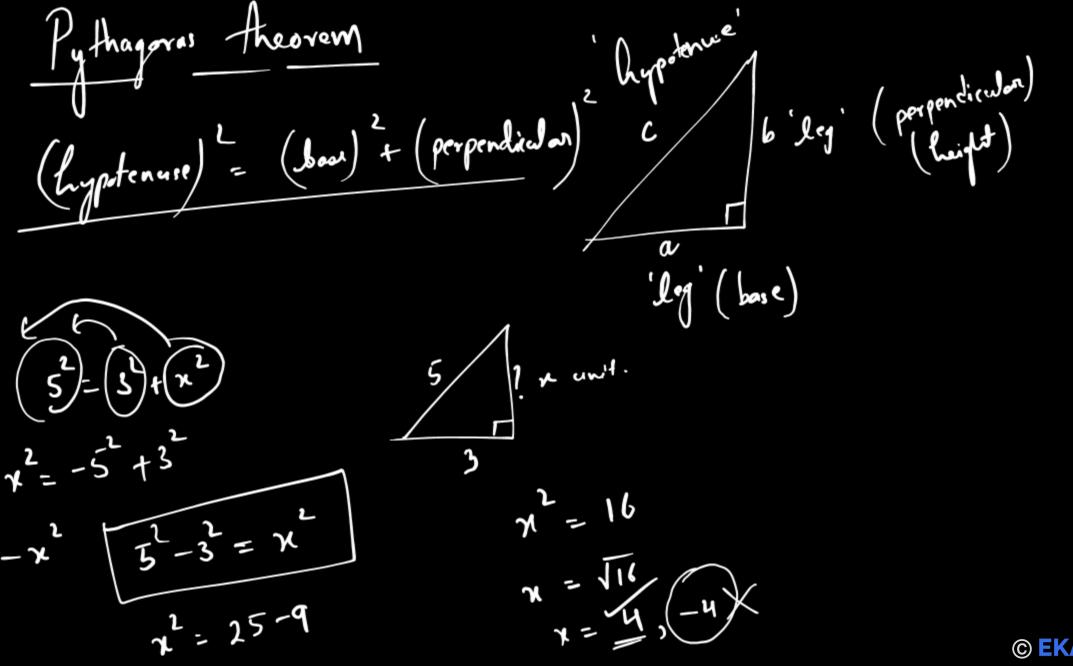
2 cm. 24 11 2 XLXLXS 216 cm. 1

2 21 12 2 2 6



 $\sqrt{2 \times 1 \times 3 \times 3 \times 5}$ =  $\sqrt{5}$ . © EKADEMY

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A ladder 
$$25 \text{ m}$$
 long reaches a window of a building 20 m  
above the ground. Detrimine the distance of the foot of the  
ladder from the building.  
 $d^2 = 2c^2 - 20^2 (2\sqrt{6})$   $(26)^2 \Rightarrow 1225$   $(allor window)$   
 $d^2 = 2c^2 - 20^2 (2\sqrt{6})$   $(26)^2 \Rightarrow 1225$   $(allor window)$   
 $d^2 = 225$   $(5)$   $(allor window)$   
 $(allor window)$   $(allor window)$   
 $d = \sqrt{2455}$   $(5)$   $(allor window)$   $(allor window)$   
 $(allor window)$   $(allor window)$   $(allor window)$   $(allor window)$   
 $(allor window)$   $(allor window$ 

a point but did not separate. Its top tree broke a H touched the ground at a distance of 6 dm its base. form it books be at height 2.5 du from the point where T what was the total height of the tree re ground proke. +12.5 6 2.5 Jm = 36 + 6.25 42.25 A 142.25 6.5 du X+2.5 dm total high 1 6.5+1.5 dm © EKADEMY

## End of the Chapter

