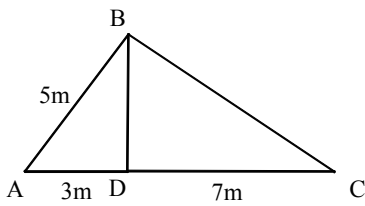
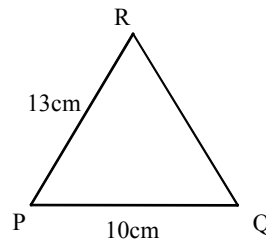


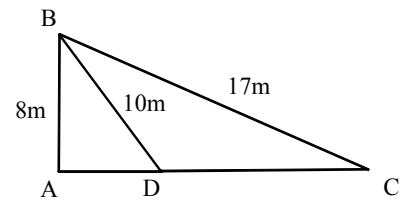
Pythagoras Problems



1) Find the length of BC.

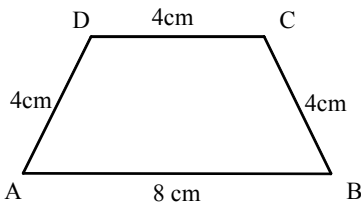


2) Find the area of triangle PQR

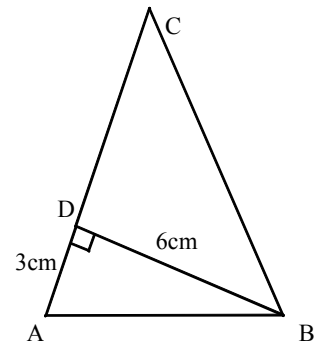


3) Find the length of CD.

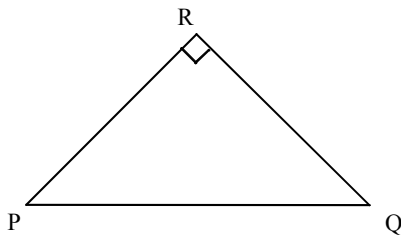
4) Axford is 12km North West of Barton. Carwell is due South of Axford and due west of Barton. How far is Carwell from Barton?



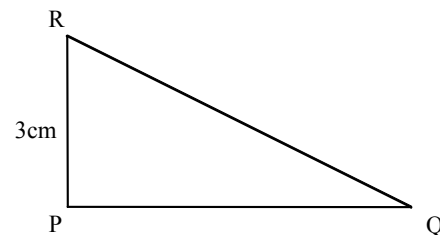
5) Find the area of this isosceles trapezium.



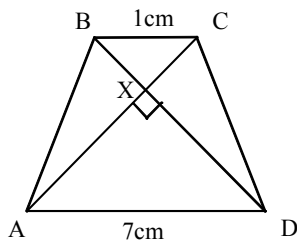
6) ABC is an isosceles triangle. Find the length of BC.



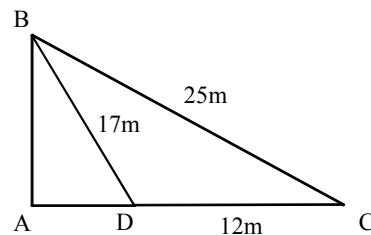
7) PQR is an isosceles triangle with area 72cm^2 . Find the lengths PQ and QR.



8) The perimeter of triangle PQR is 9cm. Find the lengths PQ and QR..



9) ABCD is an isosceles trapezium, and the angles at X are 90° . Find:
 (a) the perpendicular height of ABCD.
 (b) the length of AB
 (c) the area of ABCD.



10) AB is a radio mast supported by two wires BC and BD. Find the height of the mast.