K Education Centre

KS3 Year 9 Mathematics
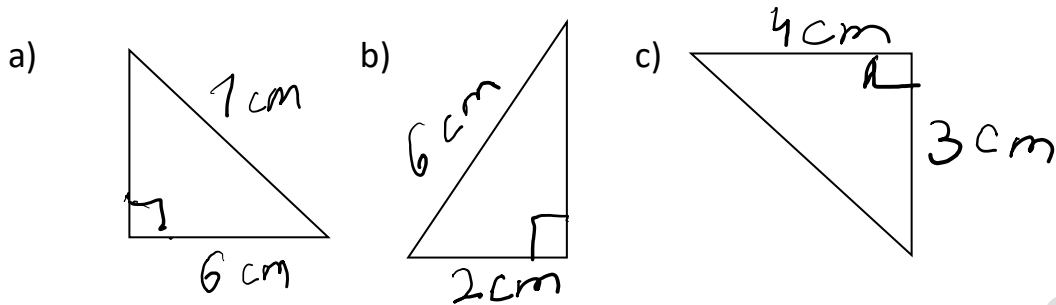
Pythagoras Theorem

Assignment Questions

Pythagoras Theorem :

Q1 : Find the missing length in the following triangles:

a)

7 cm
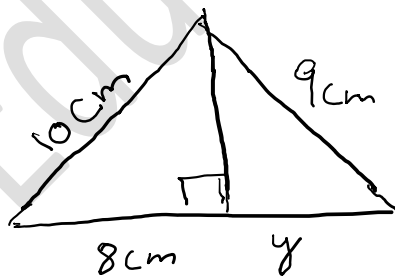
6 cm

b)

6 cm

2 cm

c)

4 cm

3 cm

Q2: A 6m ladder rests against a vertical wall with the foot of ladder 3m away from the wall. Find the distance up the wall from the top of the ladder.

Q3: A square has diagonals of 32 cm long. Find the area of the square.

Q4: A person walks 6 km due south and then 4 km due west. Find the distance between the start and finish of the walk.

Q5: Prove that the triangle with sides 10 cm , 8cm and 6 cm is a right angled triangle.

Q6: Find the length of **y** in

10 cm

9 cm

8 cm

y

Q7 : Find the radius of the smallest circle that surrounds a square with sides 8 cm long.