INTERNATIONAL INDIAN SCHOOL, RIYADH

WORKSHEET – FA 3 & SA 2

STD. - VII

MATHS

CH. 6 : TRIANGLES – PROPERTIES

1. Fine the lengths of the hypotenuses (x) of the triangles whose legs are given

i)	**3 cm, 4 cm**	**ii)**	**5 cm, 12 cm**
iii)	**12 cm, 16 cm**	**iv)**	**9 cm, 12 cm**
iv)	**7 cm, 24 cm**	**v)**	**8 cm, 15 cm**

2. Find the length of the diagonal of a rectangle using Pythagoras theorem, given *l* = 8 cm, b = 6 cm

3. An electric pole is 9 m high. A steel wire tied to the top of the pole is affixed at a point on the ground at a distance of 12 m from the foot of the pole. Find the length of the wire.

4. ABCD is a quadrilateral . Ac is a diagonal
$\angle$ B = 90^0 , $\angle$ DAC = 90^0

If AB = 4 cm, BC = 3 cm

Find DC.