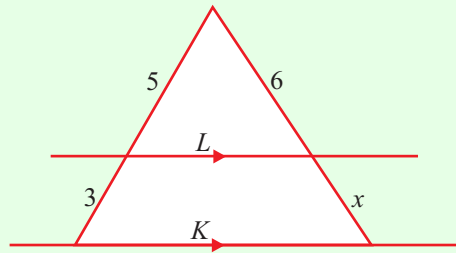## GEOMETRY (Q 4, PAPER 2)
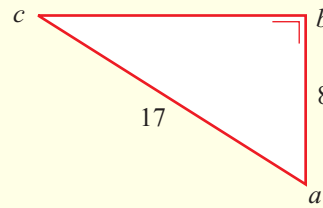
LESSON NO. 2: MORE ABOUT TRIANGLES

2006

4 (a) In the diagram $L \parallel K$.
Find the value of x.
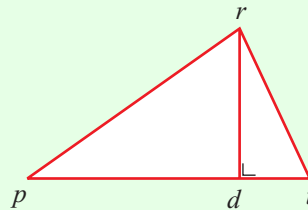

2004

4 (a) In the triangle abc,

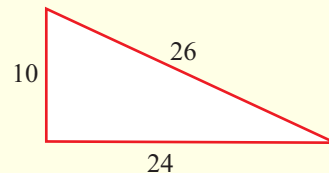$|ab| = 8$, $|ac| = 17$ and $|\angle abc| = 90°$.

Find $|bc|$.

2002

4 (a) The area of the triangle rpt is 30 cm².
rd is perpendicular to pt.
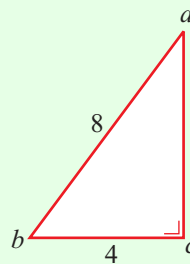Given that $|pt| = 12$cm, calculate $|rd|$.

2001

4 (a) Prove that the triangle with sides of lengths 10 units,
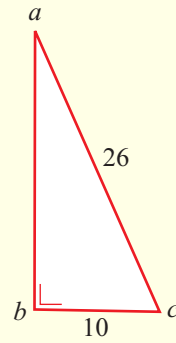24 units and 26 units is right-angled.

1999

4 (a) abc is a triangle with $|ab| = 8$, $|bc| = 4$

and $|\angle acb| = 90°$.

Calculate $|ac|$, correct to two places
of decimals.

1997

4   (a)   Find the area of triangle abc if $|\angle abc| = 90^{\circ}$,
     $|ac| = 26$ and $|bc| = 10$.

ANSWERS
2006   4   (a) 3.6
2004   4   (a) 15
2002   4   (a) 5 cm
1999   4   (a) 6.93
1997   4   (a) 120 square units