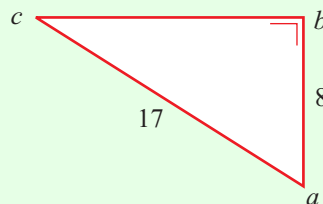


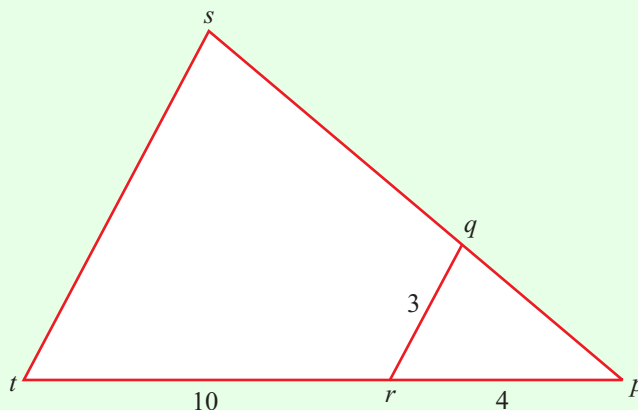
GEOMETRY (Q 4, PAPER 2)

2004

- 4 (a) In the triangle abc ,
 $|ab| = 8$, $|ac| = 17$ and $|\angle abc| = 90^\circ$.
Find $|bc|$.



- (b) Prove that the opposite sides of a parallelogram have equal lengths.
(c) The triangle pst is the image of the triangle pqr under an enlargement with centre p .



$|pr| = 4$, $|rt| = 10$ and $|qr| = 3$.

- (i) Find the scale factor of the enlargement.
(ii) Find $|st|$.
(iii) The area of the triangle pqr is 5 square units.
Find the area of the quadrilateral $qstr$.

ANSWERS

4 (a) 15

(c) (i) 3.5

(ii) 10.5

(iii) 56.25 square units