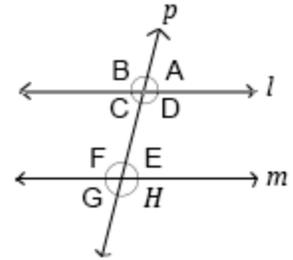


14. The area of an isosceles right angled triangle is 32 sq. cm. Find the length of its sides.

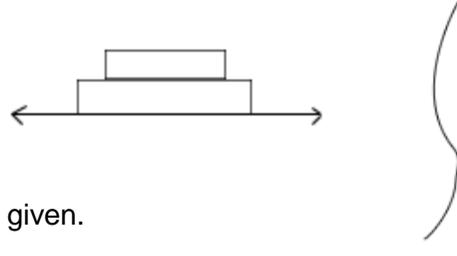
15. In the adjoining figure, l, m are a pair of coplanar lines and 'p' is the transversal intersecting them. If $\angle A = \angle E = 65^\circ$, then find 1) $\angle B$, 2) $\angle C$, 3) $\angle G$, 4) $\angle H$.



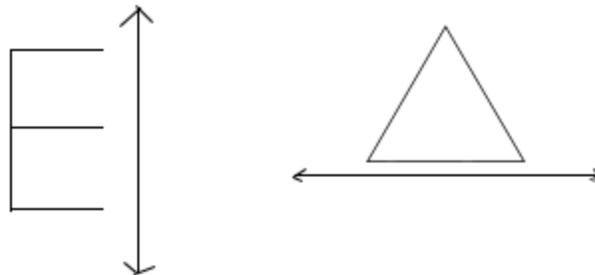
Section - B

16. The side of a square is 25 m. and rectangle whose perimeter is equal to the perimeter of the square, has its length 30 m. Find the ratios of the areas of the square and the rectangle.

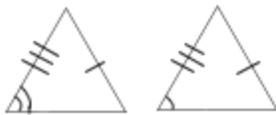
17. a) In the following figures one part lying on one side of the line of symmetry is given. Complete the other part.



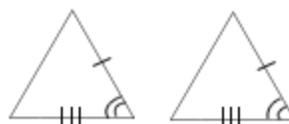
b) Find out images of the following figures about the line given.



18. a)



b)



Two pairs of triangles are given above. Which pair of triangle are not congruent? Why?

IV. Expressing in Mathematical language: $4 \times 4 = 16$

Section - A

19. Show $A \cap B, B - A$ using Venn diagram.

20. Express the formula for interest (I) where principles (P), Time (T) and rate of interest (R).

21. Write down the base and index of the following.

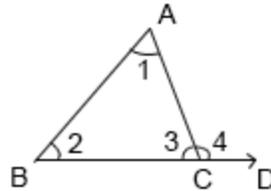
a) $10x^5$

b) $-8y^2$

Section – B

22. Write the $2x + 3y = 4$ in the form of $y = mx + c$.

23. Using the adjoining figure express relation between $\angle 1$, $\angle 2$ and $\angle 4$ in mathematical language.



24. Express relation between circumference of circle (C), area of circle (A) and radius of circle (r) (As formulae).