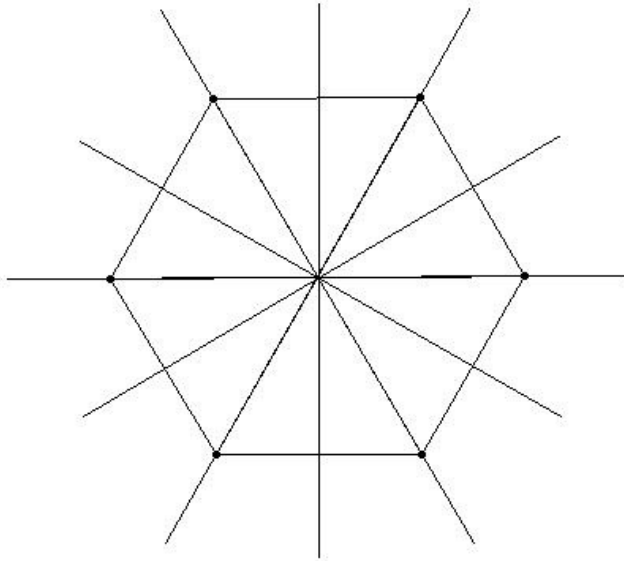


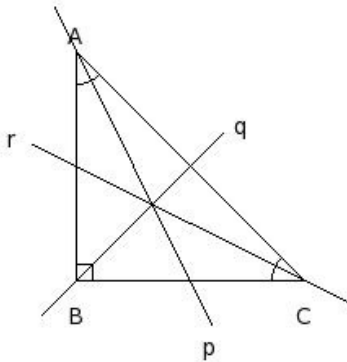


1. Given figure has how many lines of symmetry?



- (i) 4 (ii) 8 (iii) 5 (iv) 7 (v) 6

2. Identify the line(s) of symmetry in the following figure

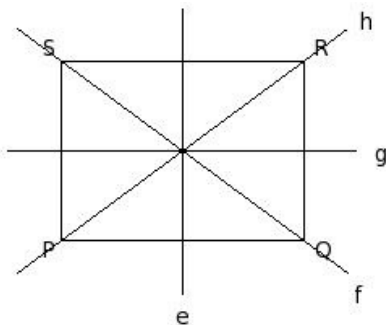


- (i) p (ii) r (iii) { p, q, r } (iv) q (v) none

3. The English alphabet letter 'R' has how many lines of symmetry?

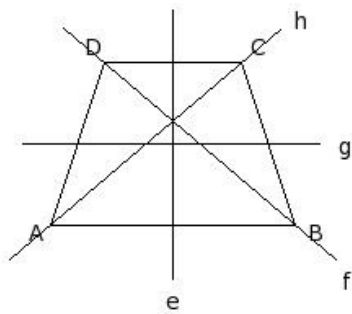
- (i) two (ii) zero (iii) one (iv) infinite (v) three

4. Which of the following are line(s) of symmetry for the given rectangle?



- (i) e (ii) { e, g } (iii) f (iv) h (v) none

5. Which of the following are line(s) of symmetry for the given isosceles trapezium?



- (i) h (ii) { e, g } (iii) g (iv) none (v) e

6. The English alphabet letter 'O' has how many lines of symmetry?

- (i) two (ii) infinite (iii) one (iv) zero (v) three

7. Which of the following English alphabet letters have infinite lines of symmetry?

- (i) X (ii) I (iii) A (iv) C (v) O

8. The English alphabet letter 'X' has how many lines of symmetry?

- (i) zero (ii) three (iii) two (iv) one (v) infinite

9. Which of the following figures have no line of symmetry?

- a) angle with equal arms
- b) angle with unequal arms
- c) equilateral triangle
- d) isosceles triangle
- e) scalene triangle
- f) line segment

- (i) {a,e,b} (ii) {b,e} (iii) {c,e} (iv) {d,f,b} (v) {a,b}

10. Which of the following triangles have rotational symmetry?

- a) isosceles right angled triangle
- b) scalene triangle
- c) equilateral triangle
- d) isosceles triangle
- e) right angle triangle

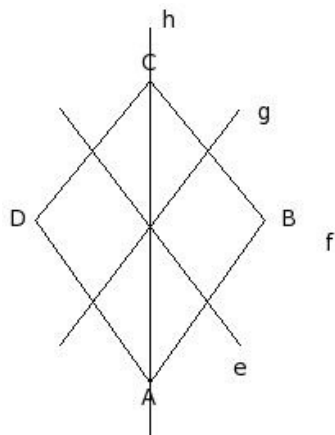
- (i) {b,c} (ii) {a,c} (iii) {c} (iv) {d,e,c}

11. Which of the following figures have three lines of symmetry?

- a) isosceles right angled triangle
- b) scalene triangle
- c) line segment
- d) equilateral triangle
- e) right angle triangle
- f) isosceles triangle

- (i) {f,d} (ii) {d} (iii) {c,e,d} (iv) {b,d} (v) {a,d}

12. Which of the following are line(s) of symmetry for the given kite?



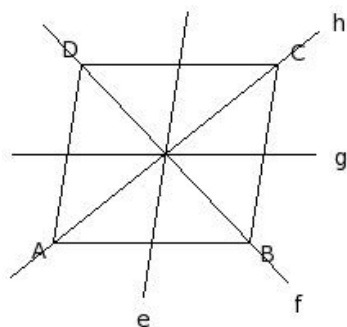
- (i) { e, g } (ii) { e, f, g, h } (iii) h (iv) { f, h } (v) e

13. Which of the following are true?

- a) Line of symmetry is perpendicular to axis of symmetry.
- b) A figure can have multiple axes of symmetry.
- c) Axis of symmetry of a figure need not intersect with the figure at any point.
- d) For every point on the figure on one side of the axis of symmetry, there is a corresponding point on the other side.
- e) A figure can be broken into two congruent shapes about its axis of symmetry.
- f) Line of symmetry and axis of symmetry are same.
- g) An obtuse angled triangle has zero lines of symmetry.
- h) A line segment has one line of symmetry.

- (i) {g,h,e} (ii) {b,d,e,f} (iii) {a,b} (iv) {a,f,b} (v) {c,d}

14. Which of the following are line(s) of symmetry for the given parallelogram?



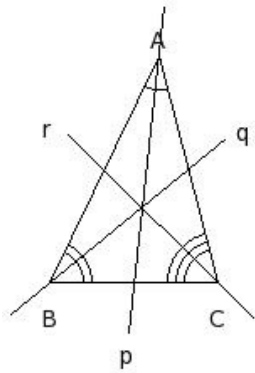
- (i) { e, g } (ii) e (iii) { e, f, g, h } (iv) none (v) h

15. Which of the following quadrilaterals have four lines of symmetry?

- a) kite
- b) parallelogram
- c) rectangle
- d) trapezium
- e) isosceles trapezium
- f) square
- g) rhombus

- (i) {c,d,f} (ii) {e,f} (iii) {a,f} (iv) {b,f} (v) {f}

16. Identify the line(s) of symmetry in the following figure



- (i) { p, q, r } (ii) r (iii) p (iv) q (v) none

17. Which of the following figures have one line of symmetry?

- a) scalene triangle
- b) right angled triangle
- c) line segment
- d) isosceles triangle
- e) angle with equal arms
- f) angle with unequal arms
- g) equilateral triangle
- h) isosceles right angled triangle

- (i) {b,e} (ii) {a,d} (iii) {g,d,e} (iv) {d,e,h} (v) {c,f,h}

18. Which of the following English alphabet letters has rotational symmetry?

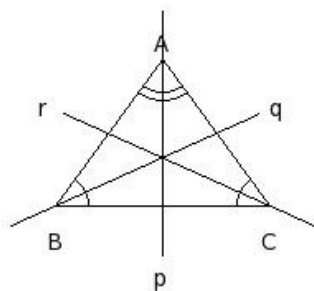
- (i) D (ii) G (iii) B (iv) E (v) N

19. Which of the following quadrilaterals have no rotational symmetry?

- a) isosceles trapezium
- b) trapezium
- c) kite
- d) square
- e) rectangle
- f) parallelogram
- g) rhombus

- (i) {a,b,c} (ii) {f,g,c} (iii) {d,a} (iv) {d,a,b} (v) {e,b}

20. Identify the line(s) of symmetry in the following figure



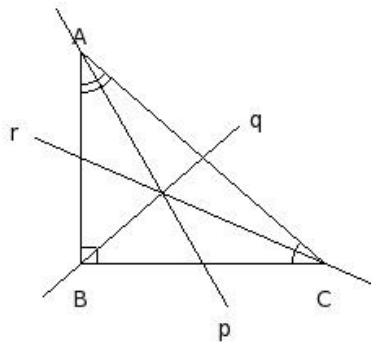
- (i) p (ii) none (iii) q (iv) { p, q, r } (v) r

21. Which of the following quadrilaterals have one line of symmetry?

- a) rectangle
- b) parallelogram
- c) trapezium
- d) isosceles trapezium
- e) square
- f) rhombus
- g) kite

(i) {d,g} (ii) {c,e,d} (iii) {a,d} (iv) {f,g,d} (v) {b,g}

22. Identify the line(s) of symmetry in the following figure



(i) p (ii) none (iii) r (iv) q (v) { p, q, r }

23. Which of the following quadrilaterals have three lines of symmetry?

- a) none
- b) rectangle
- c) isosceles trapezium
- d) square
- e) parallelogram
- f) trapezium
- g) rhombus

(i) {f,a} (ii) {b,a} (iii) {d,e,a} (iv) {c,a} (v) {a}

24. A median is an axis of symmetry in which of the given figures?

- a) scalene triangle
- b) equilateral triangle
- c) isosceles right angled triangle
- d) isosceles triangle
- e) right angle triangle

(i) {a,b} (ii) {b,c,d} (iii) {a,e,d} (iv) {a,b,c} (v) {e,c}

25. Which of the following English alphabet letters have zero lines of symmetry?

(i) X (ii) C (iii) F (iv) H (v) E

Assignment Key

1) (v)	2) (iv)	3) (ii)	4) (ii)	5) (v)	6) (ii)
7) (v)	8) (iii)	9) (ii)	10) (iii)	11) (ii)	12) (iii)
13) (ii)	14) (iv)	15) (v)	16) (v)	17) (iv)	18) (v)
19) (i)	20) (i)	21) (i)	22) (ii)	23) (v)	24) (ii)
25) (iii)					