



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

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

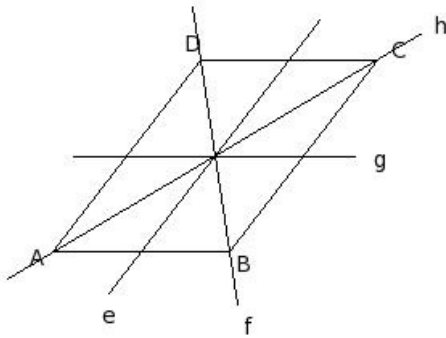
(i) {a,f,b} (ii) {a,b} (iii) {b,f} (iv) {c,f} (v) {d,e,b}

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

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

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

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

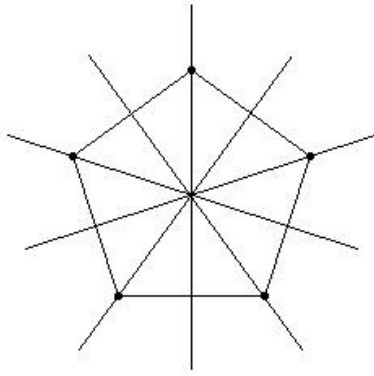


(i) h (ii) none (iii) { e, f, g, h } (iv) { f, h } (v) g

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

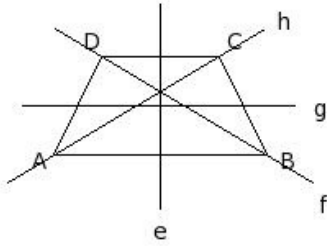
(i) O (ii) X (iii) C (iv) D (v) H

5. Given figure has how many lines of symmetry?



- (i) 7 (ii) 5 (iii) 6 (iv) 4 (v) 3

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



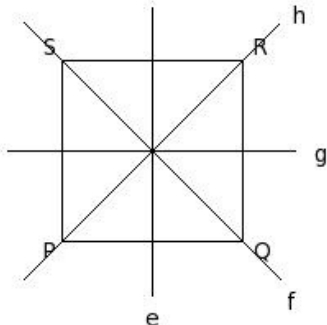
- (i) none (ii) { f, h } (iii) g (iv) h (v) e

7. Which of the following are true?

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

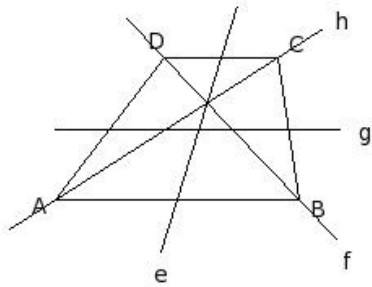
- (i) {e,f,g} (ii) {a,h,c} (iii) {b,d} (iv) {c,d,g,h} (v) {a,c}

8. Which of the following are line(s) of symmetry for the given square?



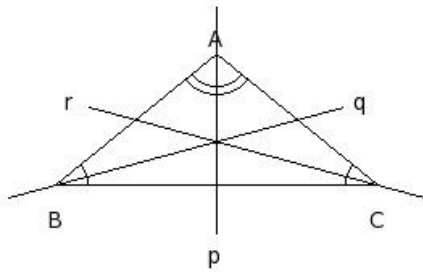
- (i) none (ii) h (iii) { e, f, g, h } (iv) e (v) { e, g }

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



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

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



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

11. Which of the following quadrilaterals have zero lines of symmetry?

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

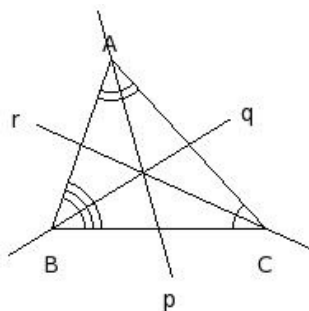
- (i) {d,c} (ii) {b,a} (iii) {g,c,a} (iv) {e,f,a} (v) {a,c}

12. Which of the following quadrilaterals have two lines of symmetry?

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

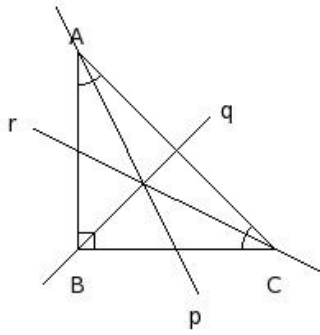
- (i) {c,f} (ii) {b,f} (iii) {g,f,b} (iv) {a,b} (v) {d,e,b}

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



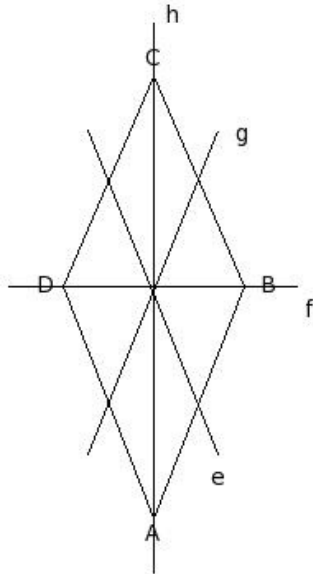
- (i) q (ii) r (iii) p (iv) none (v) { p, q, r }

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



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

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



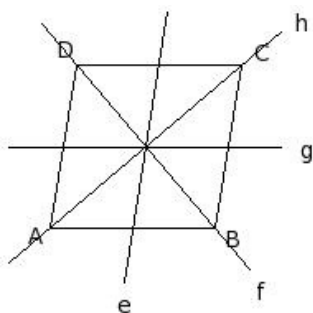
- (i) { e, f, g, h } (ii) h (iii) f (iv) e (v) g

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

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

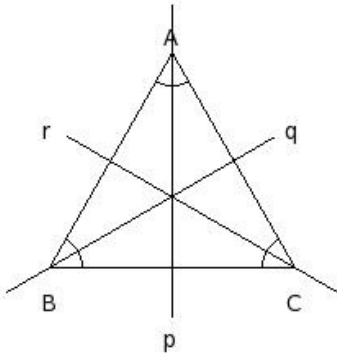
- (i) {a,b,d} (ii) {c,a} (iii) {h,a,b} (iv) {f,g,d} (v) {e,b}

17. Which of the following are line(s) of symmetry for the given rhombus?



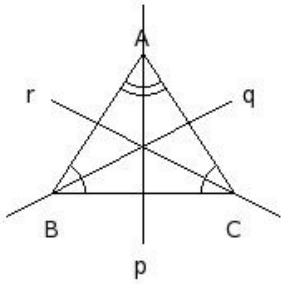
- (i) g (ii) { e, g } (iii) { e, f, g, h } (iv) f (v) { f, h }

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



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

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



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

20. Which of the following English alphabet letters have two lines of symmetry?

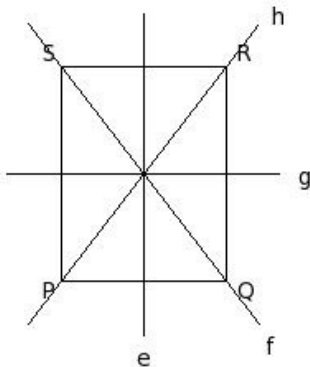
(i) B (ii) F (iii) E (iv) H (v) N

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

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

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

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



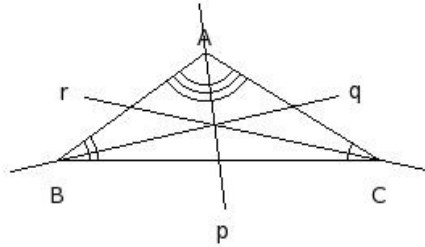
(i) { e, g } (ii) f (iii) h (iv) none (v) { e, f, g, h }

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

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

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

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



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

25. The English alphabet letter 'G' has how many lines of symmetry?

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

Assignment Key

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