



1. The English alphabet letter 'M' has how many lines of symmetry?
(i) two (ii) three (iii) infinite (iv) one (v) zero
2. The English alphabet letter 'I' has how many lines of symmetry?
(i) two (ii) one (iii) zero (iv) infinite (v) three
3. The English alphabet letter 'G' has how many lines of symmetry?
(i) zero (ii) one (iii) infinite (iv) two (v) three
4. The English alphabet letter 'O' has how many lines of symmetry?
(i) one (ii) infinite (iii) two (iv) three (v) zero
5. Which of the following English alphabet letters have one line of symmetry?
(i) N (ii) A (iii) H (iv) I (v) R
6. Which of the following English alphabet letters have two lines of symmetry?
(i) K (ii) I (iii) N (iv) A (v) R
7. Which of the following English alphabet letters have infinite lines of symmetry?
(i) U (ii) C (iii) X (iv) O (v) I
8. Which of the following English alphabet letters have zero lines of symmetry?
(i) X (ii) C (iii) D (iv) J (v) H
9. Which of the following figures have no line of symmetry?
a) isosceles triangle
b) equilateral triangle
c) angle with unequal arms
d) scalene triangle
e) line segment
f) angle with equal arms

(i) {e,f,c} (ii) {a,d,c} (iii) {a,c} (iv) {c,d} (v) {b,d}
10. Which of the following figures have one line of symmetry?
a) line segment
b) isosceles triangle
c) right angled triangle
d) scalene triangle
e) angle with equal arms
f) equilateral triangle
g) isosceles right angled triangle
h) angle with unequal arms

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

11. Which of the following are true?

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

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

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

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

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

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

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

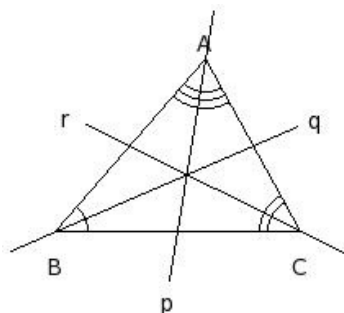
(i) {a,c,e} (ii) {c,d} (iii) {a,b,d} (iv) {a,b} (v) {b,d,e}

14. Which of the following figures have infinite lines of symmetry?

- a) n-sided polygon where n is very large
- b) sector of a circle
- c) line segment
- d) semicircle
- e) circle

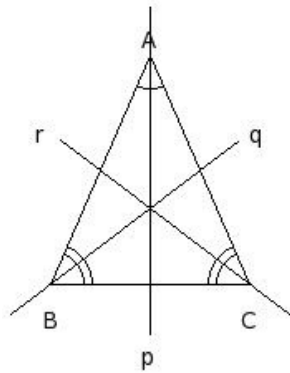
(i) {b,e} (ii) {e} (iii) {a,e} (iv) {c,d,e}

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



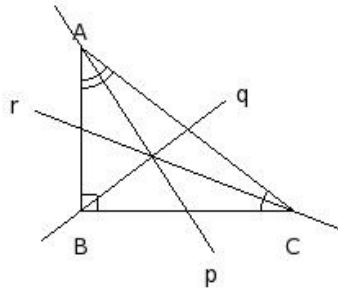
(i) none (ii) p (iii) q (iv) r (v) { p, q, r }

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



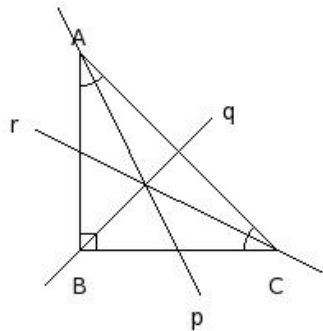
- (i) { p, q, r } (ii) q (iii) p (iv) r (v) none

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



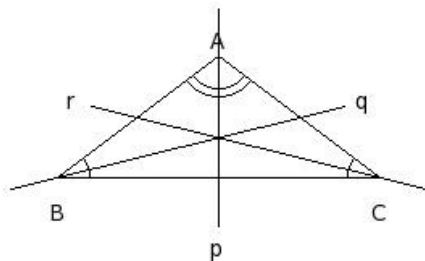
- (i) q (ii) p (iii) r (iv) none (v) { p, q, r }

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



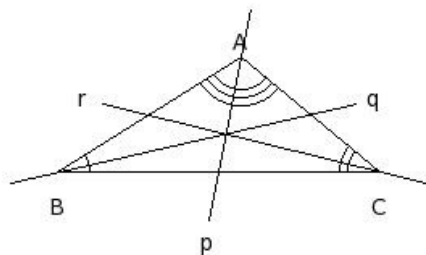
- (i) p (ii) none (iii) r (iv) { p, q, r } (v) q

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



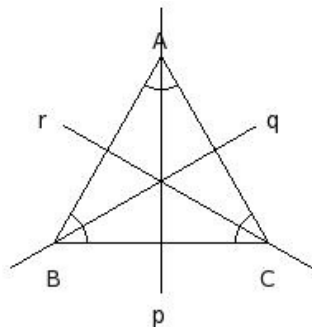
- (i) { p, q, r } (ii) q (iii) r (iv) p (v) none

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



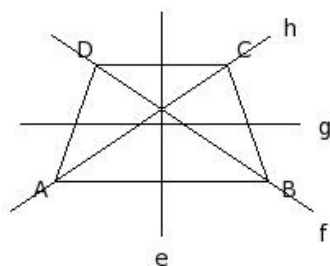
- (i) q (ii) { p, q, r } (iii) p (iv) none (v) r

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



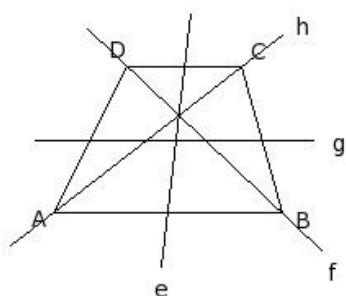
- (i) { p, q, r } (ii) none (iii) q (iv) r (v) p

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



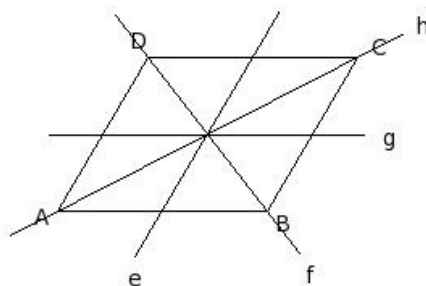
- (i) g (ii) none (iii) h (iv) { e, g } (v) e

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



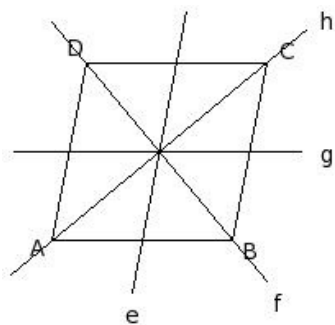
- (i) f (ii) { e, g } (iii) e (iv) none (v) { f, h }

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



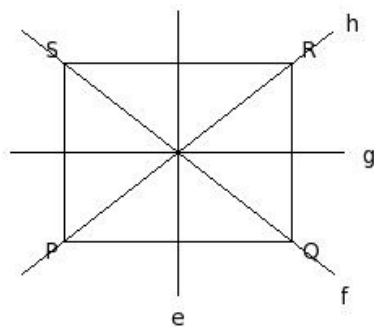
- (i) e (ii) { f, h } (iii) { e, f, g, h } (iv) f (v) none

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



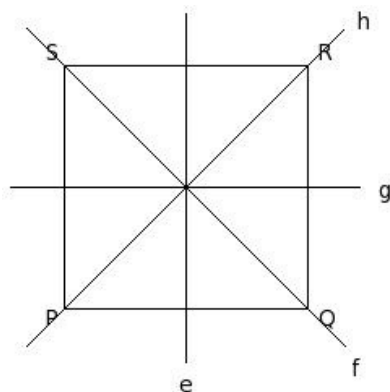
- (i) e (ii) { f, h } (iii) f (iv) h (v) { e, f, g, h }

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



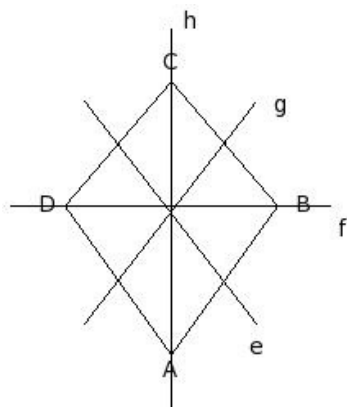
- (i) none (ii) h (iii) g (iv) { e, f, g, h } (v) { e, g }

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



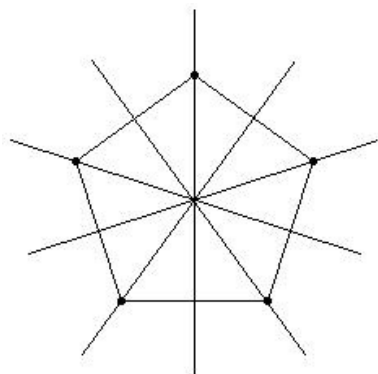
- (i) { e, g } (ii) h (iii) none (iv) e (v) { e, f, g, h }

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



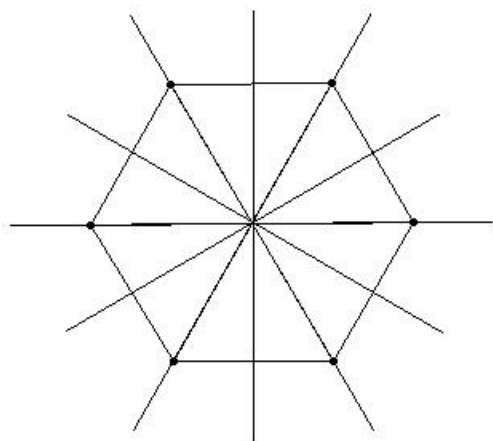
- (i) e (ii) f (iii) h (iv) { e, g } (v) { e, f, g, h }

29. Given figure has how many lines of symmetry?



(i) 4 (ii) 3 (iii) 8 (iv) 5 (v) 6

30. Given figure has how many lines of symmetry?



(i) 5 (ii) 7 (iii) 6 (iv) 9 (v) 3

Assignment Key

1) (iv)	2) (i)	3) (i)	4) (ii)	5) (ii)	6) (ii)
7) (iv)	8) (iv)	9) (iv)	10) (ii)	11) (iv)	12) (ii)
13) (v)	14) (ii)	15) (i)	16) (iii)	17) (iv)	18) (v)
19) (iv)	20) (iv)	21) (i)	22) (v)	23) (iv)	24) (v)
25) (ii)	26) (v)	27) (v)	28) (iii)	29) (iv)	30) (iii)