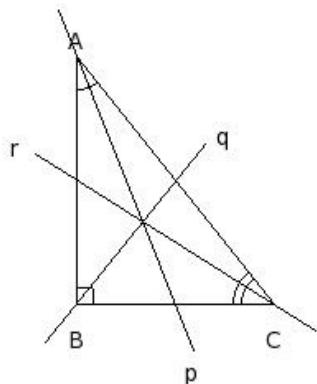


1. Identify the line(s) of symmetry in the following figure



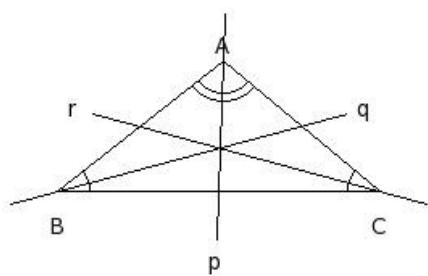
(i) none (ii) r (iii) { p, q, r } (iv) q (v) p

2. Which of the following figures have two lines of symmetry?

- a) kite
- b) scalene triangle
- c) isosceles trapezium
- d) line segment
- e) isosceles triangle
- f) square
- g) rectangle
- h) angle with equal arms

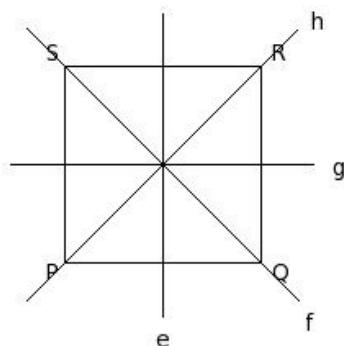
(i) {c,e,d} (ii) {d,g} (iii) {f,g,d} (iv) {a,d} (v) {b,g}

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



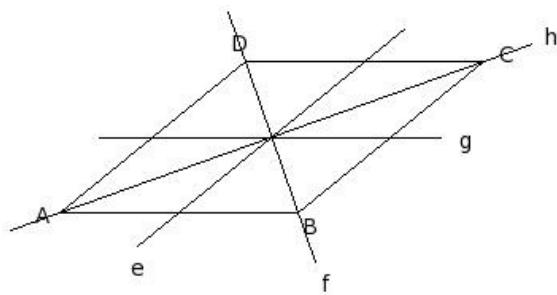
(i) r (ii) none (iii) p (iv) q (v) { p, q, r }

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



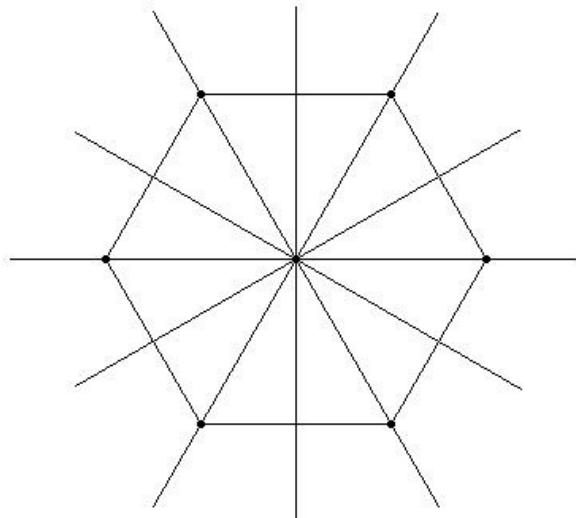
(i) { e, g } (ii) h (iii) { e, f, g, h } (iv) g (v) { f, h }

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



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

6. Given figure has how many lines of symmetry?



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

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

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

8. Which of the following are true?

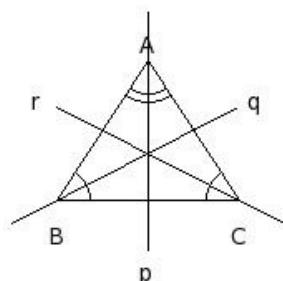
a) A semi-circle has rotational symmetry of order two.
b) A rectangle has rotational symmetry of order four.
c) A parallelogram has rotational symmetry of order four.
d) A rhombus has rotational symmetry of order four.
e) A square has rotational symmetry of order four.

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

9. Which of the following English alphabet letters have one line of symmetry?

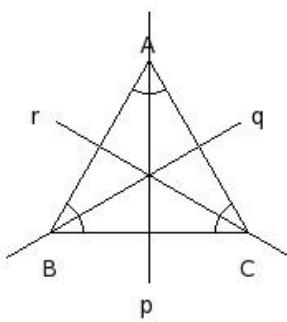
(i) I (ii) R (iii) G (iv) U (v) X

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



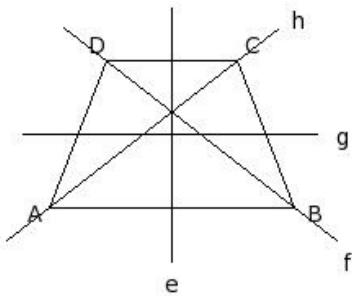
(i) p (ii) none (iii) r (iv) q (v) { p, q, r }

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



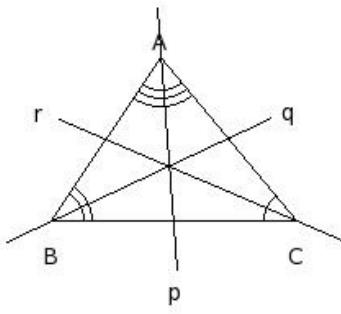
(i) none (ii) r (iii) p (iv) q (v) { p, q, r }

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



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

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



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

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

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

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

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

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

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

16. The English alphabet letter 'H' has how many lines of symmetry?

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

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

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

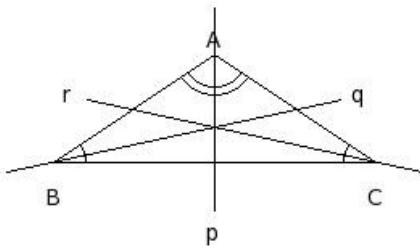
- (i) {c,g} (ii) {f,g,b} (iii) {b,g} (iv) {a,b} (v) {d,e,b}

18. Which of the following figures neither have line symmetry nor point symmetry nor rotational symmetry?

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

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

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



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

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

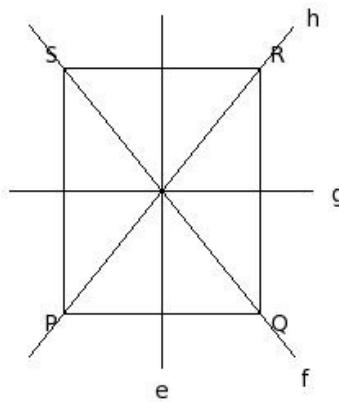
- a) equilateral triangle
- b) isosceles right angled triangle
- c) line segment
- d) right angled triangle
- e) scalene triangle
- f) angle with equal arms
- g) angle with unequal arms
- h) isosceles triangle

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

21. The English alphabet letter 'F' has how many lines of symmetry?

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

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



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

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

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

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

24. Which of the following English alphabet letters does not have rotational symmetry?

(i) A (ii) Z (iii) H (iv) S (v) N

25. Which of the following triangles have rotational symmetry?

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

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

Assignment Key

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