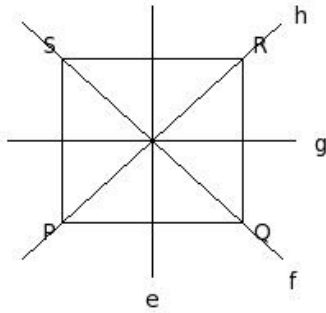1. Which of the following are line(s) of symmetry for the given rectangle?

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

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

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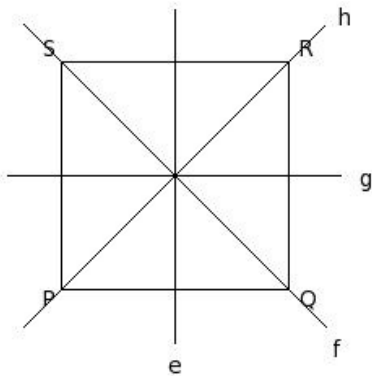   e) square
   f) trapezium
   g) rhombus

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

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

   a) isosceles triangle
   b) equilateral triangle
   c) right angle triangle
   d) isosceles right angled triangle
   e) scalene triangle
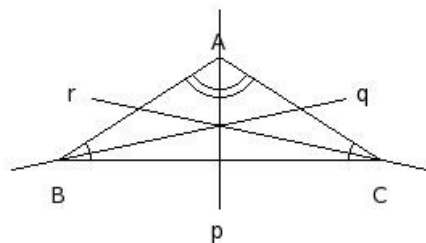
   (i) {e,b} (ii) {c,a,b} (iii) {c,a} (iv) {a,b,d} (v) {c,e,d}

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

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

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

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

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

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

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

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

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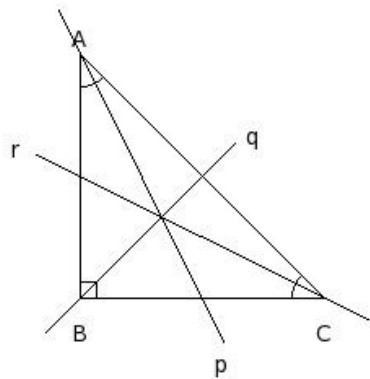d) angle with equal arms
e) angle with unequal arms
f) line segment

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

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

a) angle with equal arms
b) scalene triangle
c) line segment
d) angle with unequal arms
e) equilateral triangle
f) isosceles triangle
g) right angled triangle
h) isosceles right angled triangle
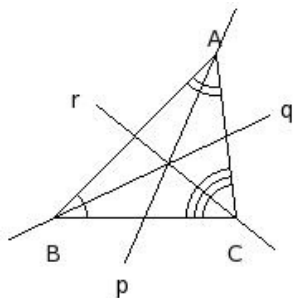
(i) {d,e,h} (ii) {c,f} (iii) {g,a,f} (iv) {b,a} (v) {a,f,h}

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

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

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

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

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

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

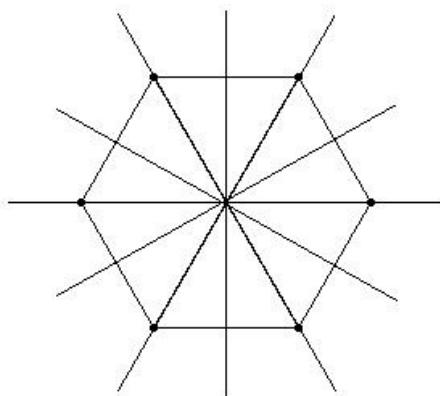12. Which of the following English alphabet letters have infinite lines of symmetry?

   (i) C (ii) B (iii) O (iv) I (v) X

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

   (i) H (ii) K (iii) Q (iv) X (v) N
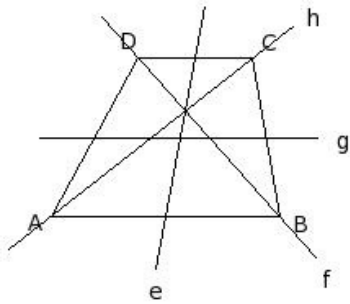
14. Given figure has how many lines of symmetry?

   (i) 7 (ii) 6 (iii) 4 (iv) 9 (v) 5

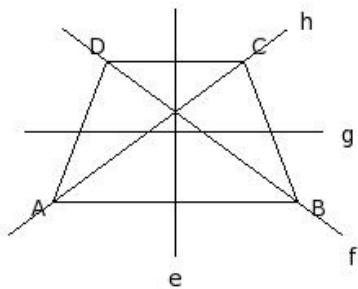15. Which of the following English alphabet letters have zero lines of symmetry?

   (i) B (ii) X (iii) H (iv) U (v) P

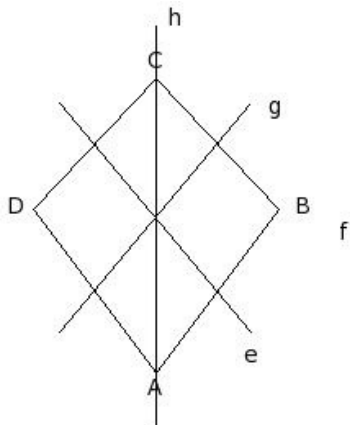16. Which of the following are line(s) of symmetry for the given trapezium?

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

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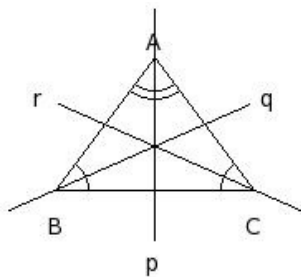

(i) e (ii) { e, f, g, h } (iii) f (iv) none (v) g

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

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

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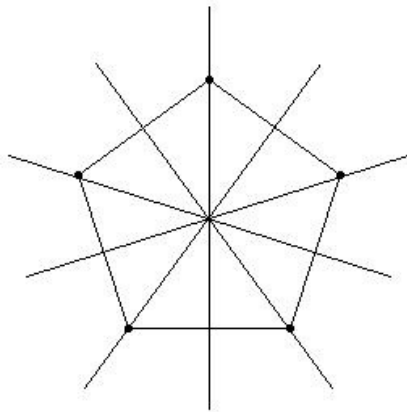

(i) q (ii) none (iii) p (iv) { p, q, r } (v) r

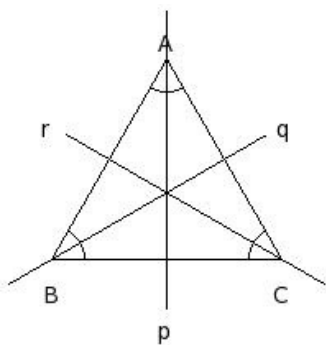20. The English alphabet letter 'X' has how many lines of symmetry?

(i) one (ii) three (iii) two (iv) zero (v) infinite
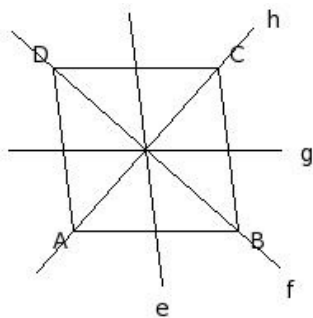
21. Given figure has how many lines of symmetry?

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

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

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

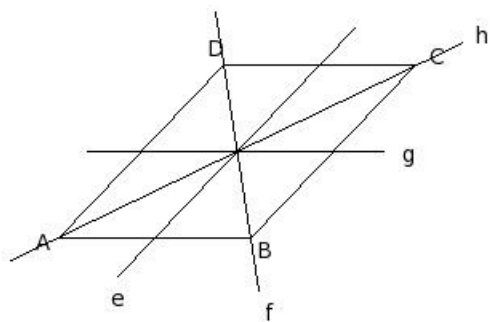23. Which of the following are line(s) of symmetry for the given rhombus?

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

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

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

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

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

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

Assignment Key

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