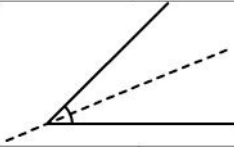
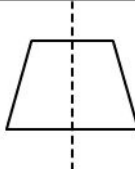
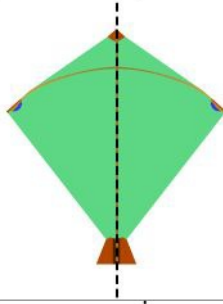

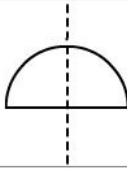
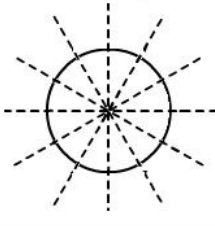
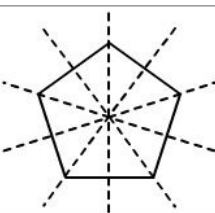
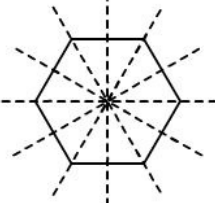




Symmetry Ex 17.3 Q1

Answer :

| Shapes | Rough Figure | Number of lines of symmetry |
|----------------------------|--------------|-----------------------------|
| (i) Scalene triangle | | 0 |
| (ii) Isosceles triangle | | 1 |
| (iii) Equilateral triangle | | 3 |
| (iv) Rectangle | | 2 |
| (v) Square | | 4 |
| (vi) Parallelogram | | 0 |
| (vii) Rhombus | | 2 |
| (viii) Line | | Infinitely many |
| (ix) Line segment | | 1 |

| | | |
|--------------------------|---|-----------------|
| (x) Angle |  | 1 |
| (xi) Isosceles trapezium |  | 1 |
| (xii) Kite |  | 1 |
| (xiii) Arrow-head |  | 1 |
| (xiv) Semi-circle |  | 1 |
| (xv) Circle |  | Infinitely many |
| (xvi) Regular pentagon |  | 5 |
| (xvii) Regular hexagon |  | 6 |

Symmetry Ex 17.3 Q2

Answer :

(i)

A, H, I, M, O, T,
U, V, W, X, Y

A, H, I, M, O, T,
U, V, W, X, Y

(ii)

| | | | |
|---|-------|---|-------|
| B | — B — | I | — I — |
| C | — C — | K | — K — |
| D | — D — | O | — O — |
| E | — E — | X | — X — |
| H | — H — | | |

(iii)

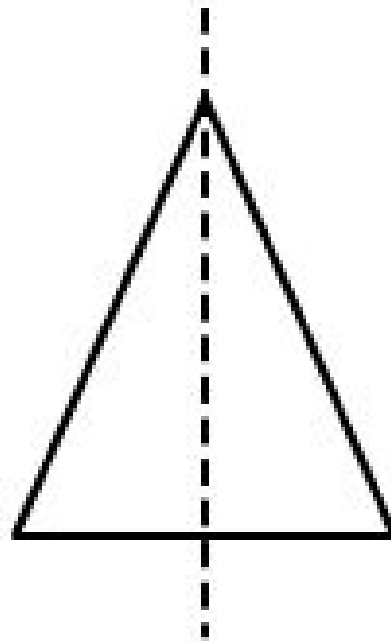
| | |
|---|-------|
| H | — H — |
| I | — I — |
| O | — O — |
| X | — X — |

(iv)

F, G, J, L, N, P, Q, R, S, Z

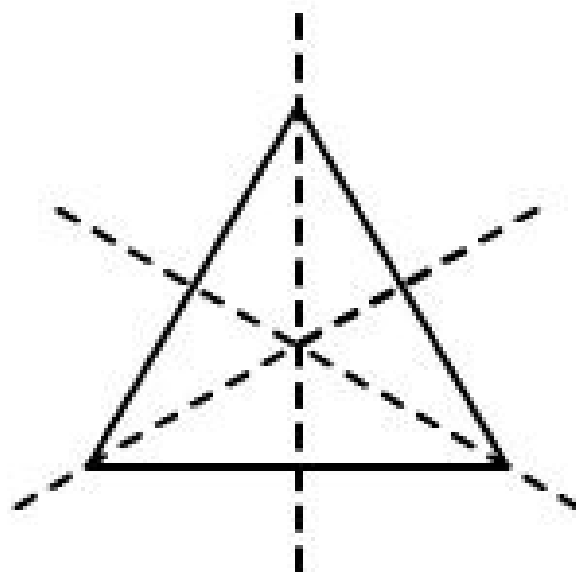
Answer :

(i) Yes; isosceles triangle

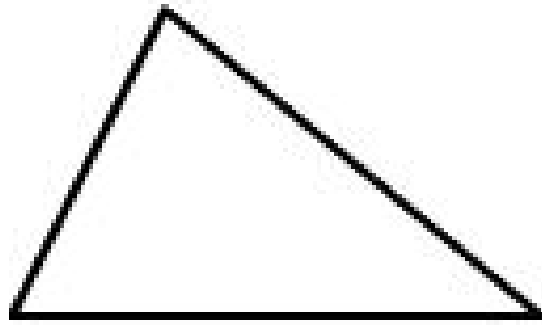


(ii) No

(iii) Yes; equilateral triangle



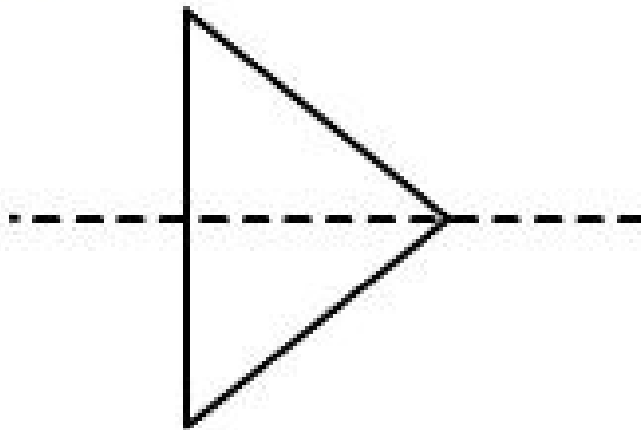
(iv) Yes; scalene triangle



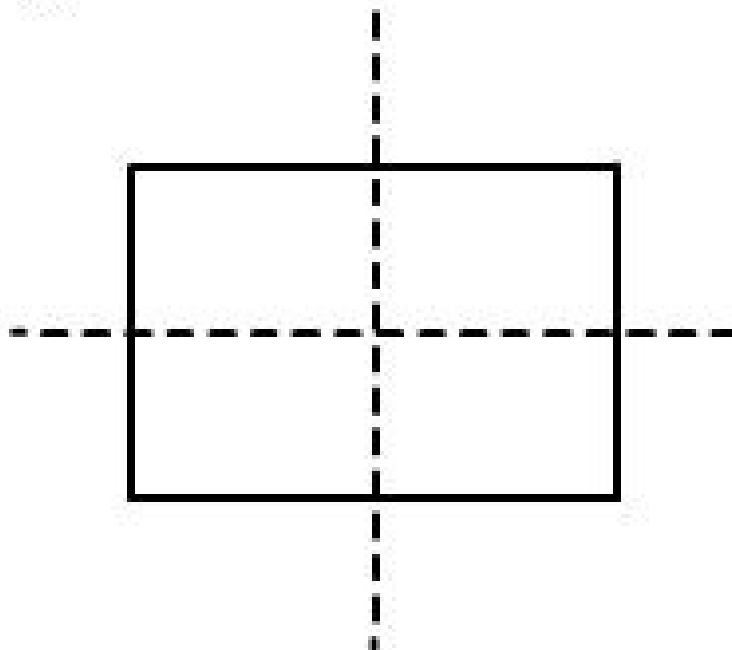
Symmetry Ex 17.3 Q4

Answer :

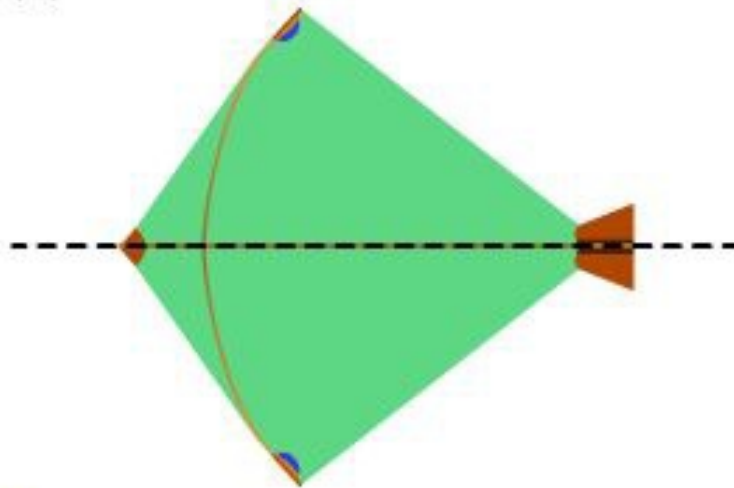
(i)



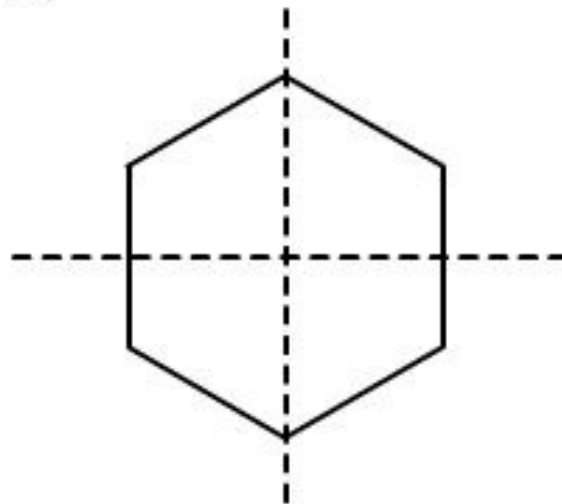
(ii)



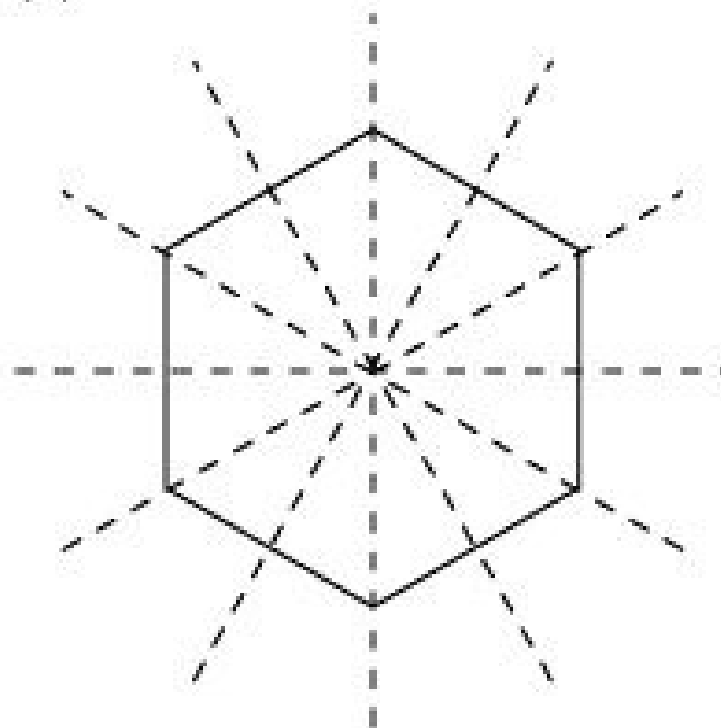
(iii)



(iv)



(v)



***** END *****

