# *Exercise 14.2*

## Question 1:

Which of the following figures have rotational symmetry of order more than 1:



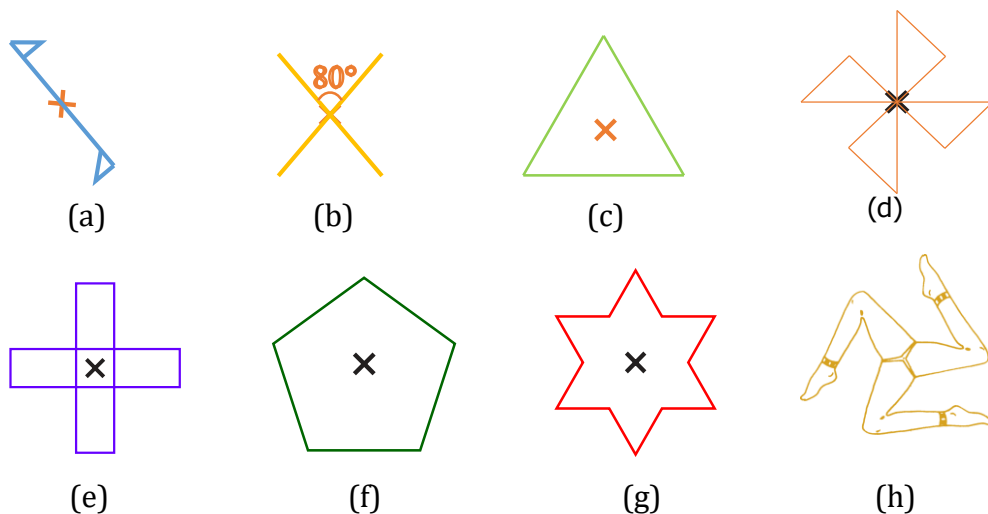| (a) | (b) | (c) | (d) | (e) | (f) |
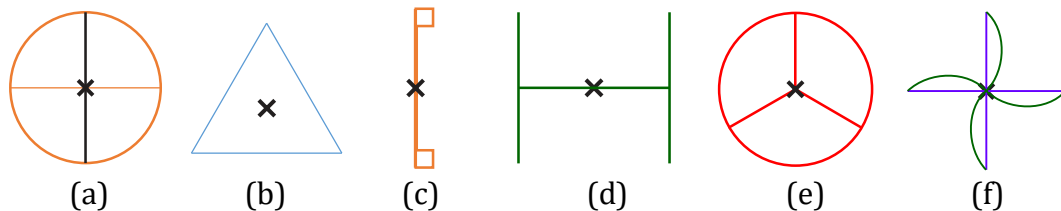
### Answer 1:

Rotational symmetry of order more than 1 are $(a),(b),(d),(e)$ and $(f)$ because in these figures, a complete turn, more than 1 number of times, an object looks exactly the same.
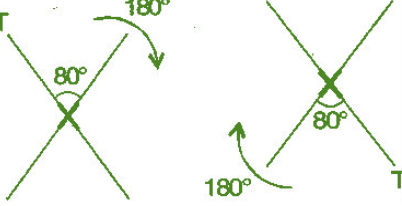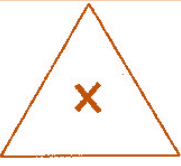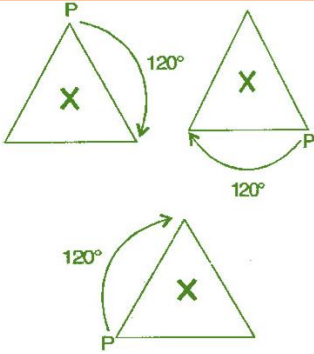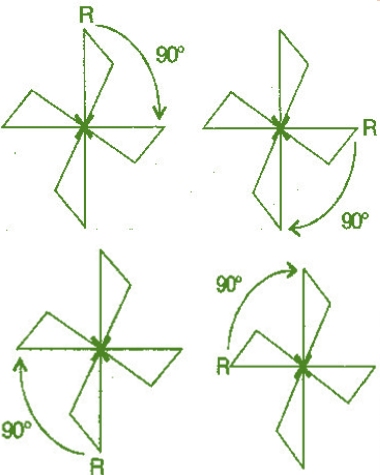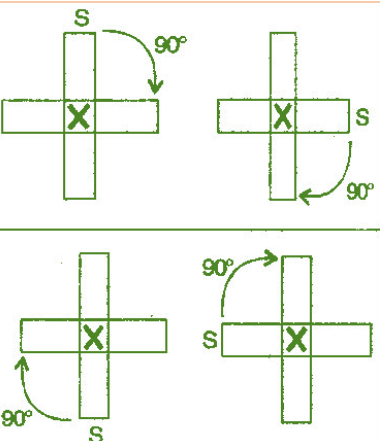
## Question 2:

Give the order the rotational symmetry for each figure:



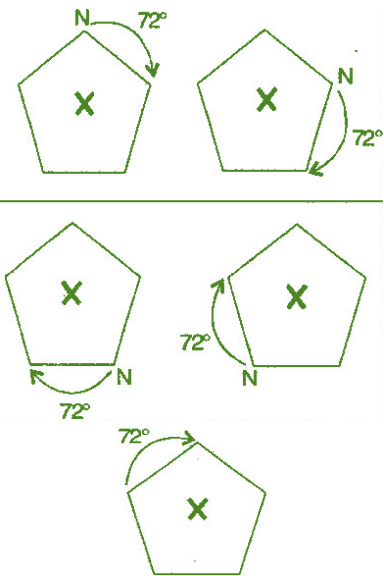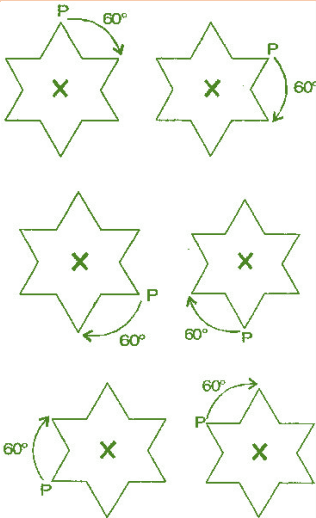| (a) | (b) | (c) | (d) |



| (e) | (f) | (g) | (h) |
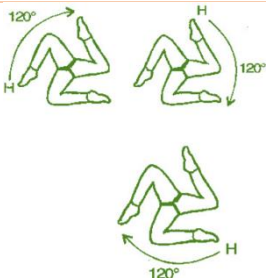
### Answer 2:

| S.No. | Problem figures | Rotational figures | Order of rotational symmetry |
|-------|-----------------|--------------------|------------------------------|
| **(a)** | | | 2 |

| | | | |
|---|---|---|---|
| **(b)** |  |  | 2 |
| **(c)** |  |  | 3 |
| **(d)** |  |  | 4 |
| **(e)** |  |  | 4 |

| (f) |  |  | 5 |
| (g) |  |  | 6 |
| (h) |  |  | 3 |