

B.1

- i) All circles are similar.
- ii) All squares are similar.
- iii) All equilateral triangles are similar.
- iv) Two polygons of the same number of sides are similar, if (a) their corresponding angles are equal and (b) their corresponding sides are proportional.

2. (i) Any two triangles, Circle & triangle  
ii) Any two squares, Square & rectangle

- 3) Two polygons of same number of sides are similar if,
- a) Their corresponding angles are equal &
  - b) Their corresponding sides are in the same ratio.

In case of PQRS and ABCD,  
The corresponding angles do not appear equal.

And,  $\angle DAB = 90^\circ$

But,  $\angle SPQ \neq 90^\circ$

Hence, first condition not satisfied,  
So, they are not similar.