

## Exercise 6.1

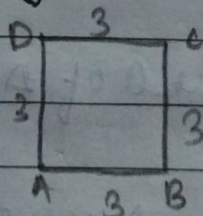
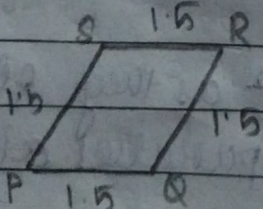
1. Fill in the blanks

- (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 their corresponding angles are equal and their corresponding sides are proportional.

2. Give two different examples of pairs of

- (i) similar figures.  $\rightarrow$  pair of rectangles with diff length sides
- (ii) non similar figures  $\rightarrow$  pair of rectangle and parallelogram with angles not  $90^\circ$ .

3. State whether the following quadrilaterals are similar or not



As the corresponding angles are not equal so they are not similar.