



Triangles Ex 4.1 Q1

Answer :

(i) Since all circles have centre and circumference, therefore all circles are similar.

Hence **Similar**

(ii) Since all squares have each angle 90° and sides are proportional, therefore all squares are similar.

Hence **Similar**

(iii) In equilateral triangle each angle is 60° therefore all equilateral triangles are similar.

Hence **equilateral**

(iv) Two triangles are similar, if their corresponding angles are **equal**.

(v) Two triangles are similar, if their corresponding sides are **Proportional**.

(vi) Two polygons of same number of sides are similar, if (a) their corresponding angles are **equal**

and (b) their corresponding sides are **Proportional**.

Triangles Ex 4.1 Q2

Answer :

(i) **False**

(ii) **True**

(iii) **False**

(iv) **False**

(v) **True**

(vi) **True**

***** END *****