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 **********