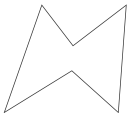
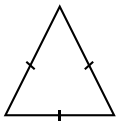
1.1 square
1.2) rectangle
1.3) triangle
1.4) rhombus
1.5) heptagon
1.6) kite
1.7) circle/oval
1.8) octagon
1.9) trapezoid
1.10) regular pentagon

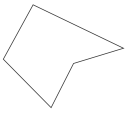
question 2



polygon



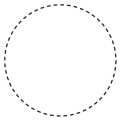
polygon



polygon

not polygon

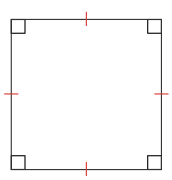
not polygon



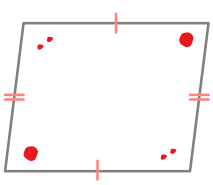
non-polygon

3.1) Yes, all the shapes consist only of straight sides and are closed 2D shapes
3.2) left side - all sides are the same length
3.3) Polygons whose sides are not of equal length
3.4) Yes, both have 5 straight sides
3.5) regular hexagon; hexagon The left side, hexagon with sides all of equal length and the right side hexagon whose sides are not of equal length

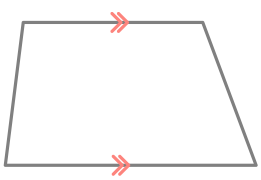
Question 4: Name the shape by looking at the properties given.



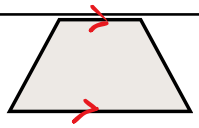
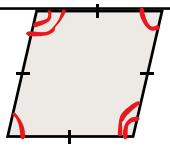
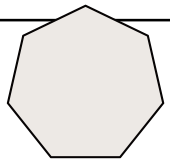
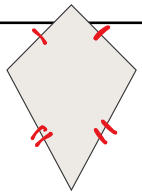
square



parallelogram

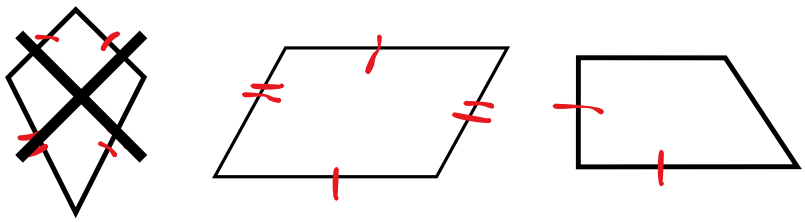


trapezoid

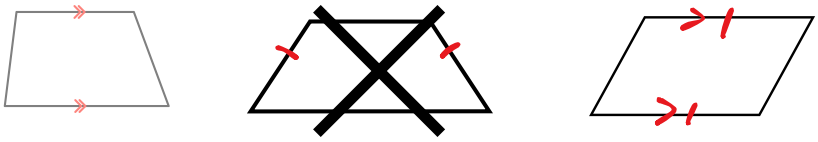
shape	how many curved sides how many straight sides	characteristics	regular or irregular
 **trapesium**	curved sides: 0 straight sides: 4	• one pair of opposite parallel	irregular
 **rhombus**	curved sides: 0 straight sides: 4	• four sides of equal length • 2 pairs opposite angles are equal	irregular (the angles must also be equal)
 **heptagon**	curved sides: 0 straight sides: 7	• 7 straight sides of equal length	irregular
 **kite**	curved sides: 0 straight sides: 4	• 2 pairs of adjacent sides of equal length	irregular

6.1) Both consist of four straight sides
6.2) A square has four equal angles, a rhombus has two pairs of opposite angles equal.
6.3) similarity: both have two pairs of opposite sides of equal length:
difference : rectangle has four angles of equal size and parallelogram has two pairs of opposite angles of equal size
6.4) difference: the sides of a regular hexagon are the same length and the sides of a hexagon are not the same length
similarity: both consist of 6 straight sides and 6 vertices

7.1) Select the shapes where it is indicated that adjacent sides are of equal length. Mark with a cross.



7.2) Which shape would fit the property: one pair of opposite sides equal in length, but not parallel.



8.1) B and D

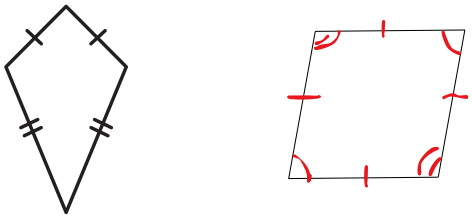
8.2) A in C

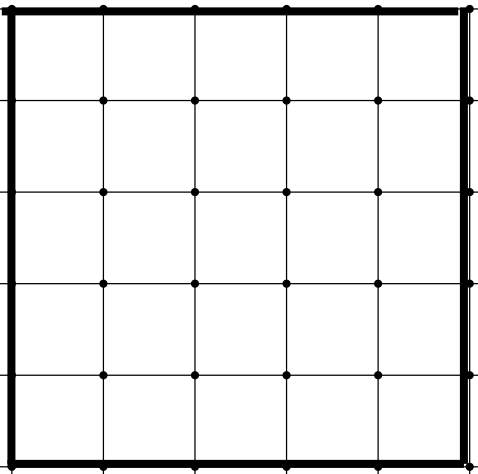
8.3) This is not a closed form

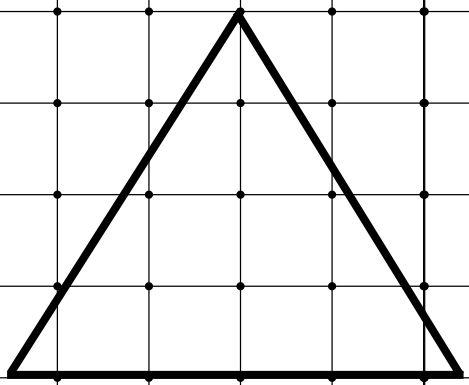
8.4) C

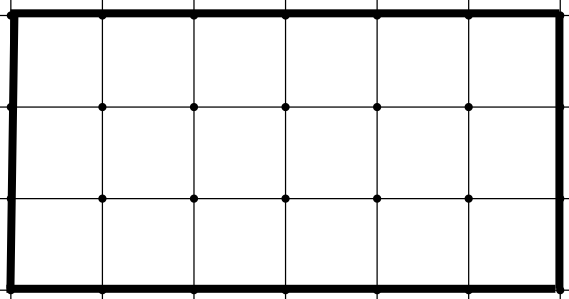
8.5) A

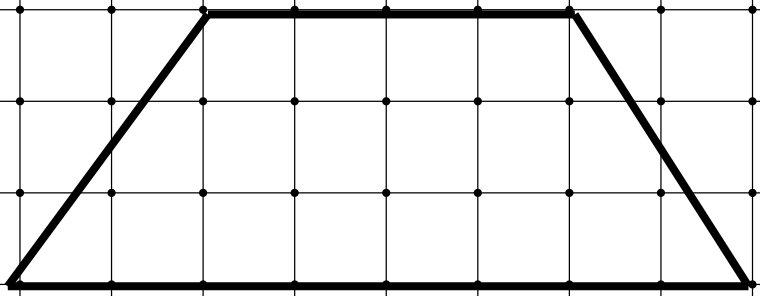
8.6) No, it is a 3D figure, not a 2D shape



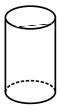




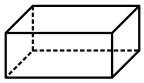




10.1) Write the base of each 3D figure below.

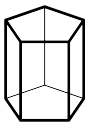


circle



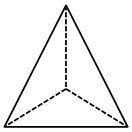
rectangle

square



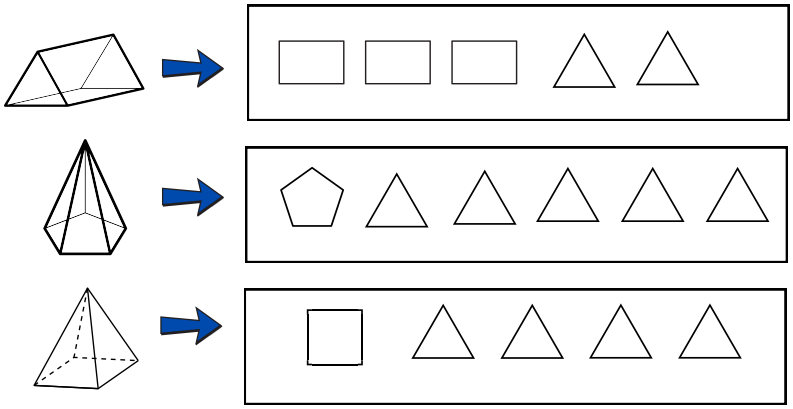
pentagoon

circle

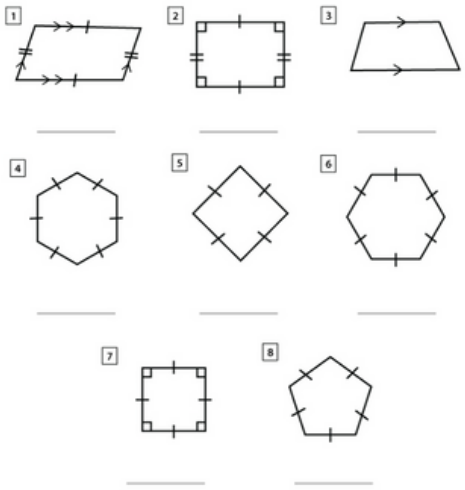


triangle

10.2) Draw which 2D shapes will build the 3D figure.



Question 11: Name each shape



1. parallelogram
2. rectangle
3. trapezoid
4. hexagon
5. square/rhombus
6. hexagon
7. square
8. pentagoon

Question 12: Indicate how many vertices and straight sides each shape has.

	vertices	straight sides
2	4	4
3	4	4
4	6	6
1	4	4