

Date: _____

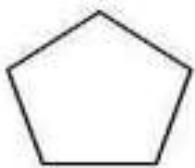
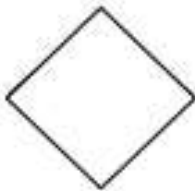
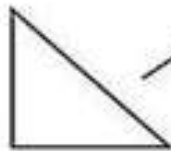
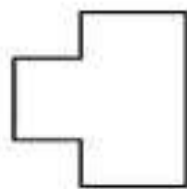
Chapter 5 : 2D and 3D shapes (5.A.1)

Q1. Look at the following 2D shapes.

a) Trace the regular polygons.

b) Draw a line to join each shape to its name.

One has been done for you.



triangle

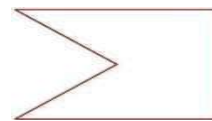
pentagon

octagon

square / quadrilateral

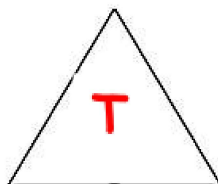
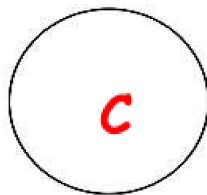
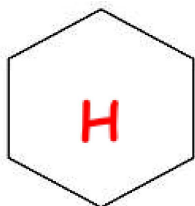
hexagon

Q2. Here is a 2D shape. Complete the statements.



It has _____ vertices, _____ right angles and _____ sides.

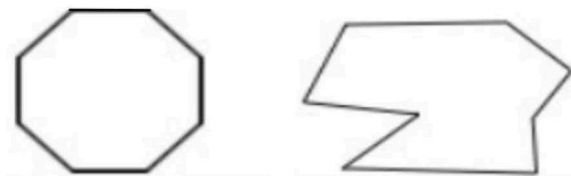
Q3. Here are some shapes.



Answer the following questions. Write the **letter** of the shape.

- a) Which shape is not a polygon? _____
- b) Which polygon has less than 4 sides? _____
- c) Which shape has 4 vertices? _____
- d) Which shape has more than 4 angles? _____

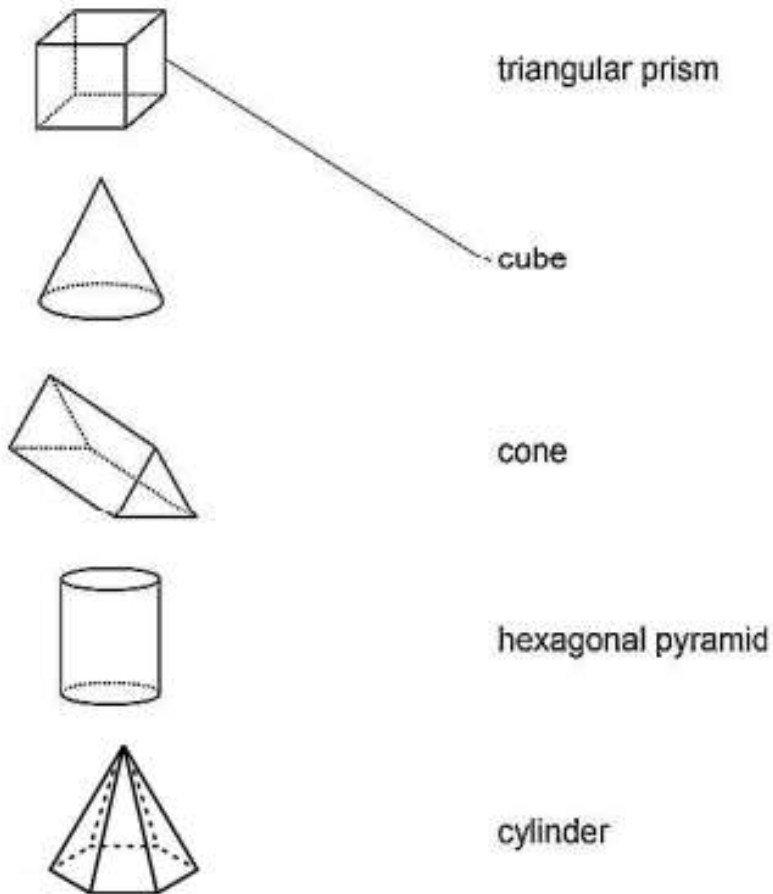
Q4. Compare the shapes. Write ONE difference and ONE similarity.



difference : _____

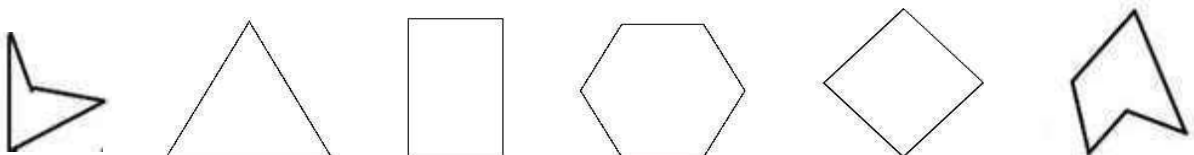
similarity : _____

Q5. Draw a line to join each 3D shape to the correct name.



Q6. Look at the polygons below.

a) Draw a ring around each polygon that has four vertices or less.



b) Colour the regular polygons.

Q7. Here are three diagrams of solid shapes.

Choose the correct word from the list to complete each sentence.

faces

edges

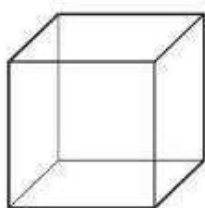
prisms

pyramids

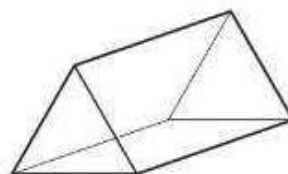
vertices



A



B



C

A and B both have the same number of _____.

A and C both have the same number of _____.

B and C are both _____.

Q8. Here are the names of four 2D shapes.

octagon

triangle

hexagon

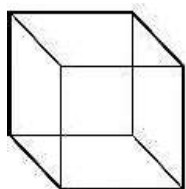
pentagon

Write the shapes in order according to the number of sides.

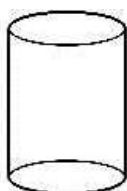
Start with the smallest number of sides.

_____, _____, _____, _____
smallest number
of sides

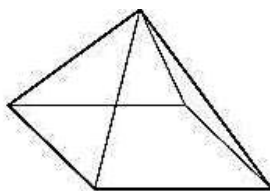
Q9. These pictures show four 3D shapes.



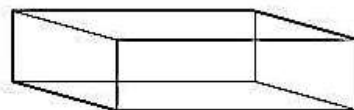
cube



cylinder

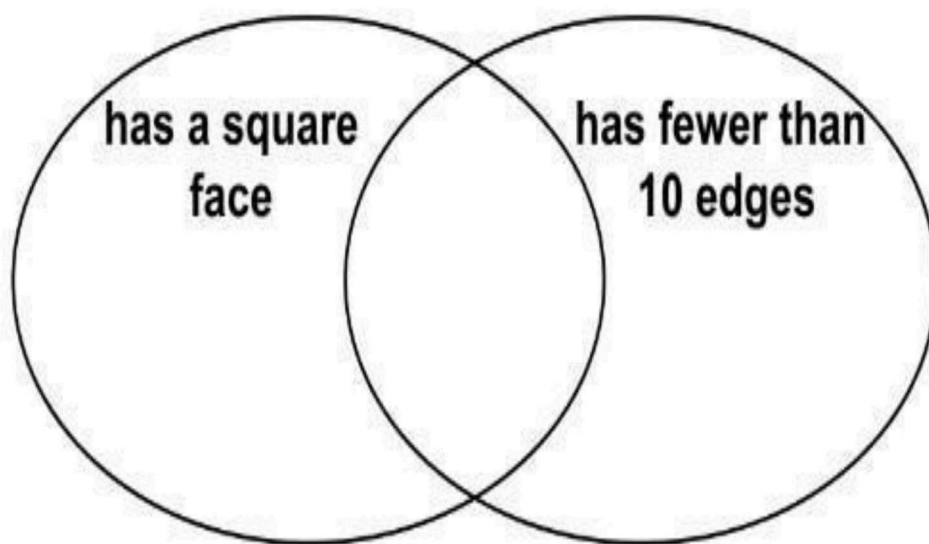


square-based
pyramid



cuboid

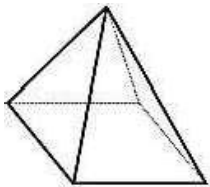
Complete the Venn diagram by writing the names of these shapes in the correct place.



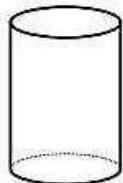
Q10. These pictures show five 3D shapes.

Write the letter of each shape in the correct place in the table.

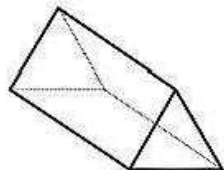
One has been done for you.



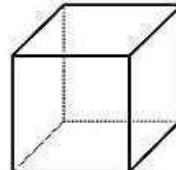
A



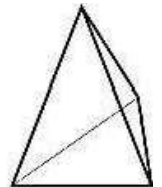
B



C



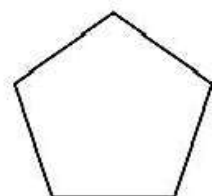
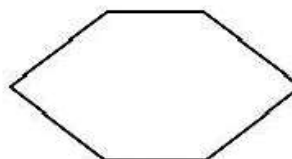
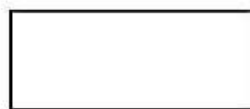
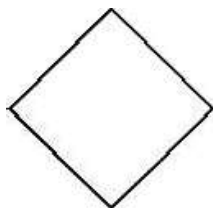
D



E

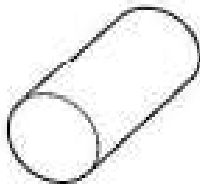
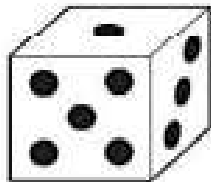
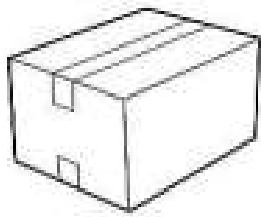
Has no triangular faces	Has at least one triangular face
	E

Q12. Draw a ring around each of the regular shapes.



How many polygons are there? _____

Q13. Draw a line to join each picture to the correct shape name.



cuboid
(rectangular prism)

cylinder

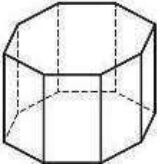
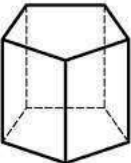
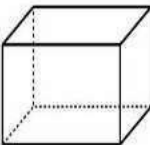
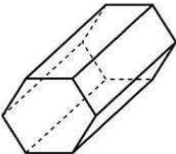
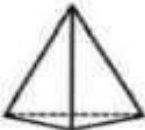
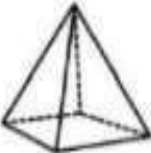

cube

Q14. Katie describes a shape.

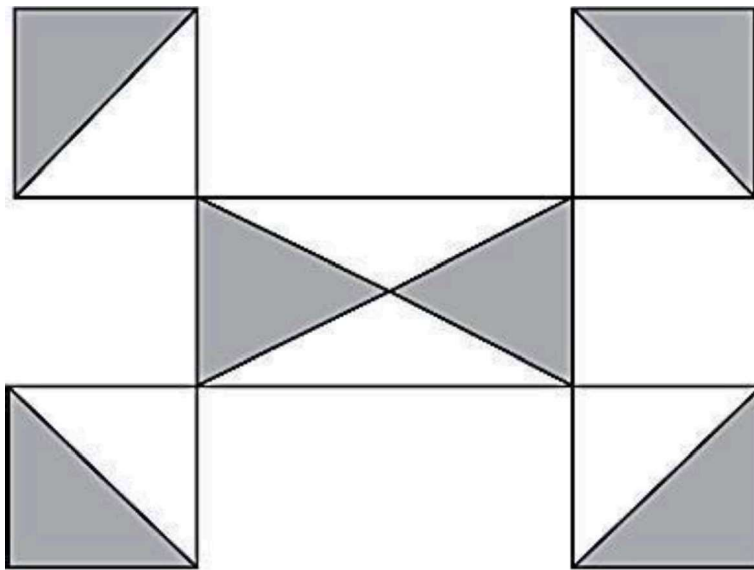
- It is a 3D shape.
- It has 6 vertices.
- It has 2 triangular faces and 3 rectangular faces.

What shape is Katie describing? _____

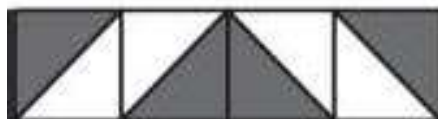
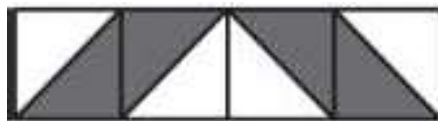
Q15. Fill in the blanks.

	name of 3D shape	type of faces (rectangular or triangular)	number of bases
	octagonal prism	_____	_____
	_____	_____	_____
	_____	_____	_____
	hexagonal prism	_____	_____
	triangular pyramid	_____	_____
	_____	_____	_____
	_____	_____	_____

Q16. Draw all the lines of symmetry on this pattern.



Q17. Tick (✓) all the designs which have at least one line of symmetry.



Q18. Here are five shapes.

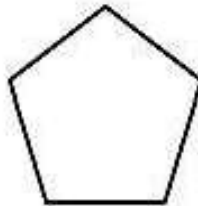
Write the number of lines of symmetry for each shape on the answer line below it.

rectangle



.....

regular pentagon



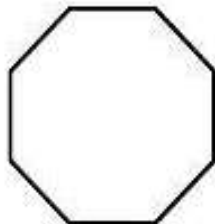
.....

parallelogram



.....

regular octagon



.....

square



.....