

Name: \_\_\_\_\_

Class: \_\_\_\_\_

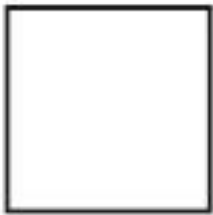
Date: \_\_\_\_\_

## Homework sheet 1

### Polygons:

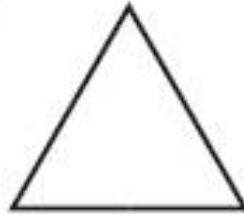
Identify the following polygons according to the number of sides and regular or irregular.

1.



\_\_\_\_\_

2.



\_\_\_\_\_

3.



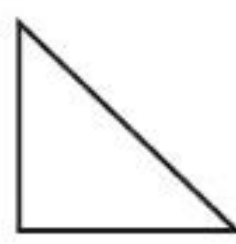
\_\_\_\_\_

4.



\_\_\_\_\_

5.



\_\_\_\_\_

6.



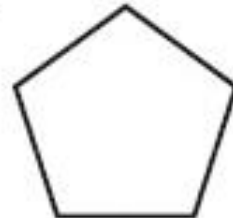
\_\_\_\_\_

7.



\_\_\_\_\_

8.



\_\_\_\_\_

9.



\_\_\_\_\_

10.



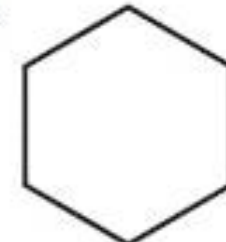
\_\_\_\_\_

11.



\_\_\_\_\_

12.

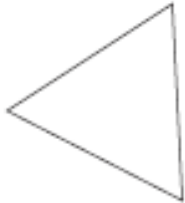


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**Triangles:**

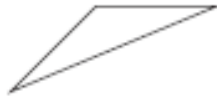
Classify the following triangles according to their **sides** and **angles**.

1)



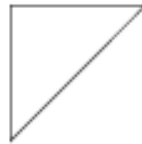
\_\_\_\_\_

2)



\_\_\_\_\_

3)



\_\_\_\_\_

4)



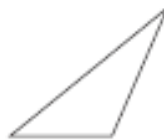
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5)



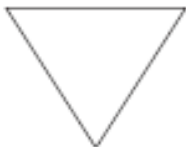
\_\_\_\_\_

6)



\_\_\_\_\_

7)



\_\_\_\_\_

8)



\_\_\_\_\_

9)



\_\_\_\_\_

10)



\_\_\_\_\_

11)



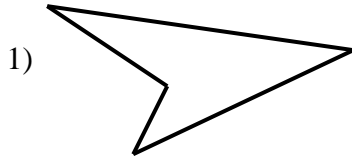
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12)



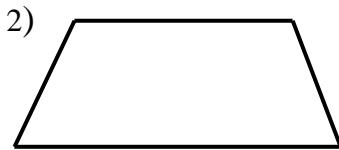
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Quadrilaterals:



According to the number of sides, what is the name of this polygon?

.....



What is the name of this shape?

.....

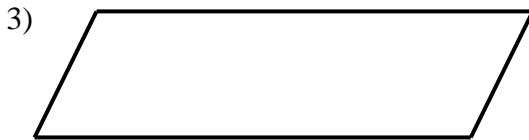
Choose its properties (4 congruent sides –

4 congruent angles – parallel sides)

Does it have 4 sides? .....

So, it is a ..... and a

.....



What is the name of this shape? .....

Choose its properties (4 congruent sides –

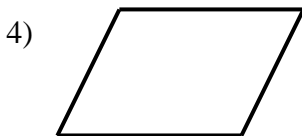
4 congruent angles – parallel sides)

Does it have 4 sides? .....

Does it share the same properties with shape 2?

So, it is a ....., a

..... and a .....



What is the name of this shape? .....

Choose its properties (4 congruent sides –

4 congruent angles – parallel sides)

Does it have 4 sides? .....

Does it share the same properties with shape 2 and 3?

So, it is a ....., a .....,

a..... and a .....

5)



What is the name of this shape? .....

Choose its properties (4 congruent sides –  
4 congruent angles – parallel sides)

Does it have 4 sides? .....

Does it share the same properties with  
shape 2 and 3?

So, it is a ....., a .....,  
a ..... and a .....

6)



What is the name of this shape? .....

Choose its properties (4 congruent sides –  
4 congruent angles – parallel sides)

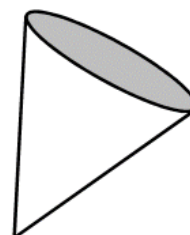
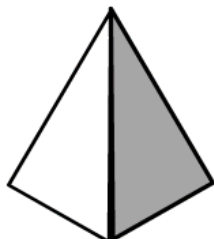
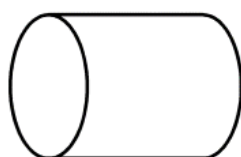
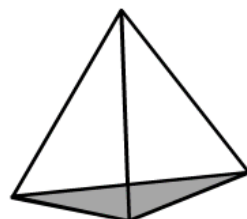
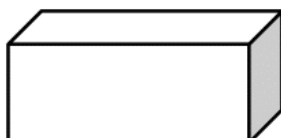
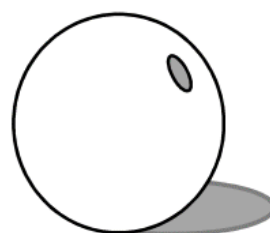
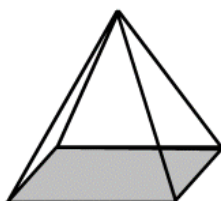
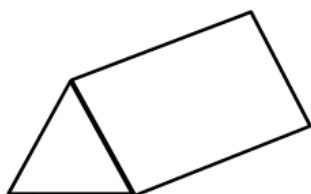
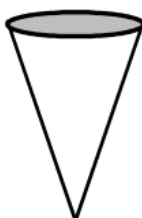
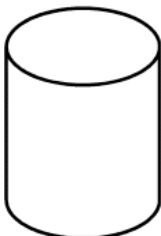
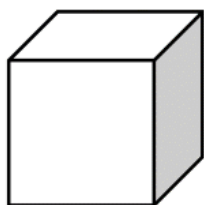
Does it have 4 sides? .....

Does it share the same properties with  
shapes 2,3,4 and 5?

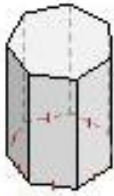
So, it is a ....., a .....,  
a ....., a .....,  
a ..... and a .....

### 3D Figures.

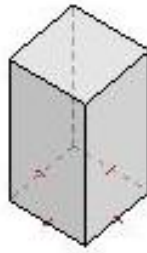
Classify the following 3D figures as **polyhedrons** or **non-polyhedrons**.



Name the following polyhedrons.



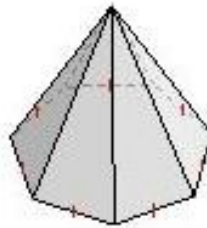
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\_\_\_\_\_



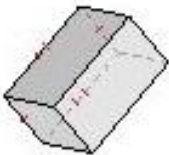
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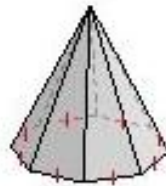
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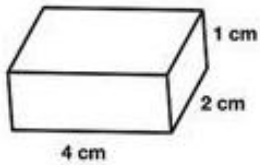
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**Volume of prisms.**

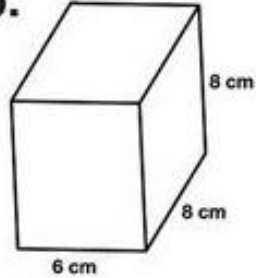
Find the volume of the following prisms.

**a.**



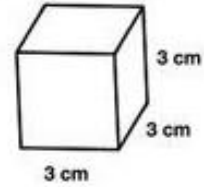
Volume = \_\_\_\_\_

**b.**



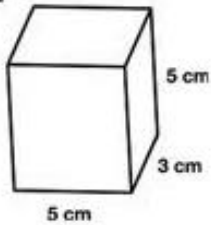
Volume = \_\_\_\_\_

**c.**



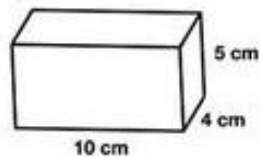
Volume = \_\_\_\_\_

**d.**



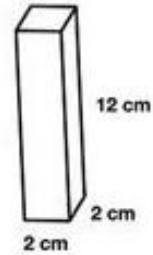
Volume = \_\_\_\_\_

**e.**



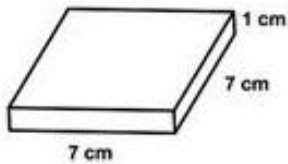
Volume = \_\_\_\_\_

**f.**



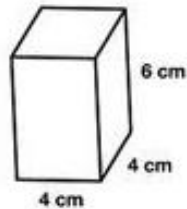
Volume = \_\_\_\_\_

**g.**



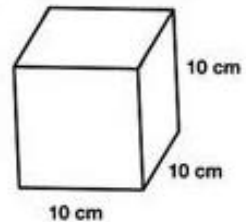
Volume = \_\_\_\_\_

**h.**



Volume = \_\_\_\_\_

**i.**



Volume = \_\_\_\_\_