



Classwork 4-1-2020

Identify Polygons

Today we will explore a type of shape called a polygon



Good morning and hello Third Graders from Mrs. Cronin!
Today is Wednesday 4/1/2020

Where To Find Your Work: <https://lynncronin.weebly.com/> open the file called: **4-1-2020**
Identify Polygons

Learning Objectives: Today we will explore a new type of shape called a polygon. By the end of this lesson you will be able to decide if a shape is a polygon or not.

Learning Activities: PowerPoint, study in Quizlet!

How I will see/check your work: Email me!!

How We Communicate: email lcronin@wtps.org

MA.3.G.A.1 , MA.3.OA.C

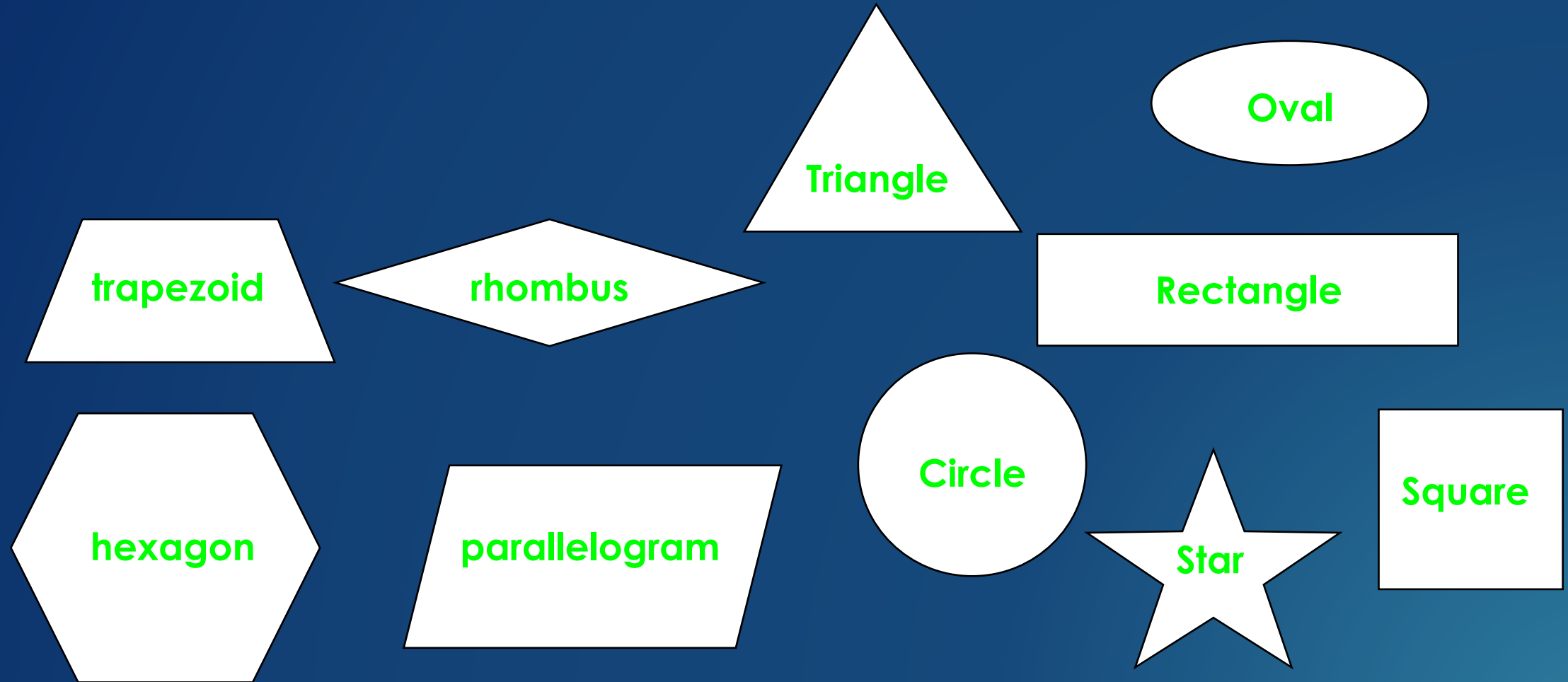


Guys – I have missed you so much!

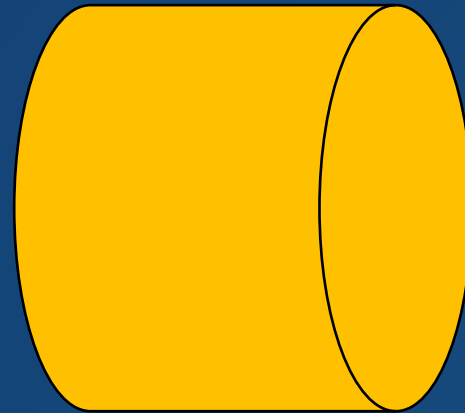
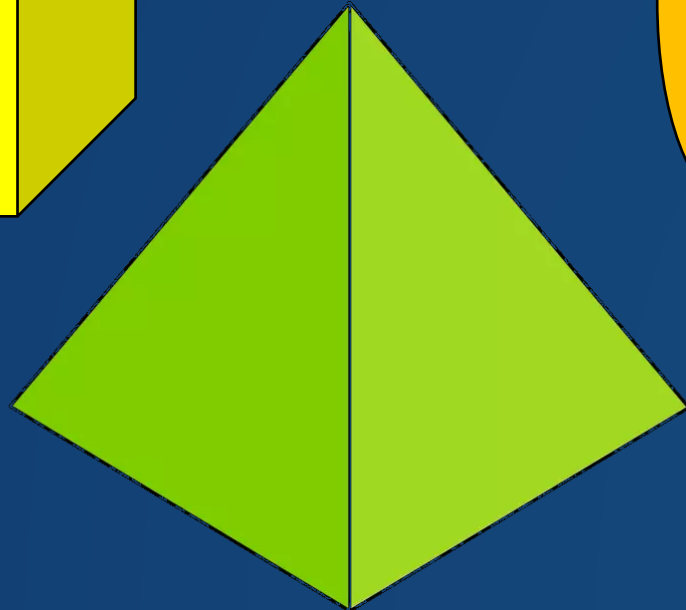
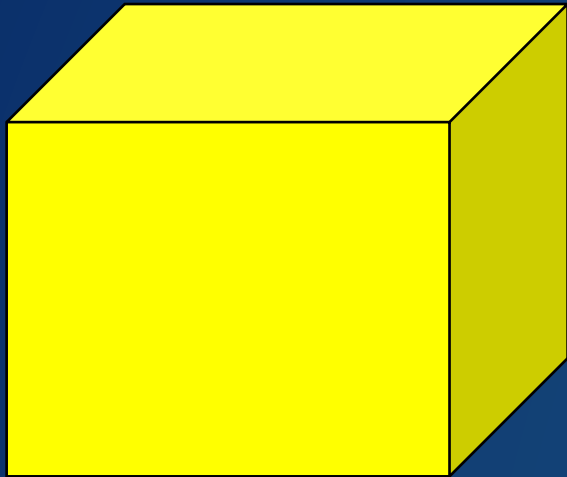
**As you know I have been sick,
but I am getting better now.**

**We will learn about polygons
today and then see if we can
beat the polygon game!**

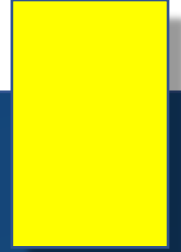
2-D (two dimensional) shapes are FLAT



We will learn about 3-D (three dimensional) shapes later, but they look like this:



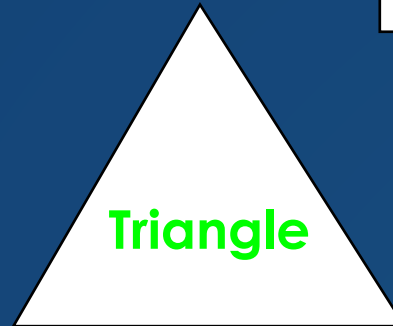
Today we will learn about the shapes that are made with straight lines.



trapezoid



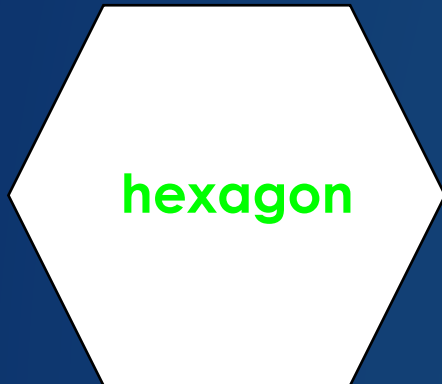
rhombus



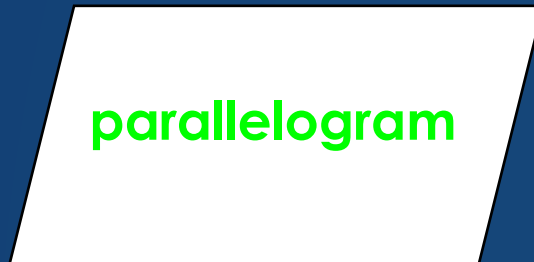
Triangle



Rectangle



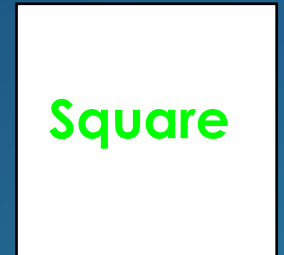
hexagon



parallelogram

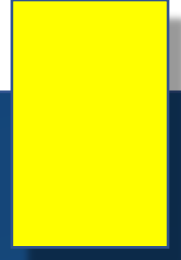


Star



Square

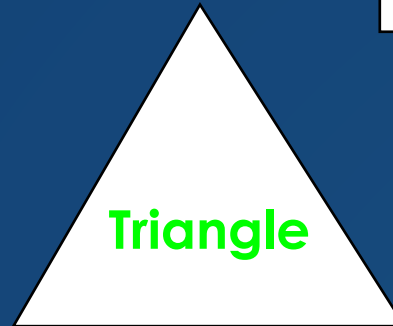
These shapes all have a special name.
They are called **polygons**



trapezoid



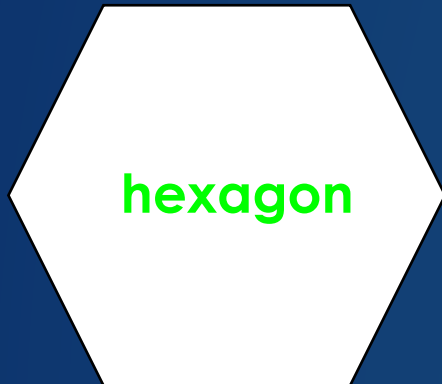
rhombus



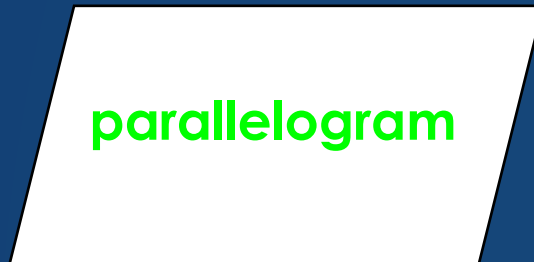
Triangle



Rectangle



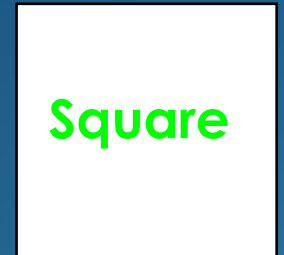
hexagon



parallelogram

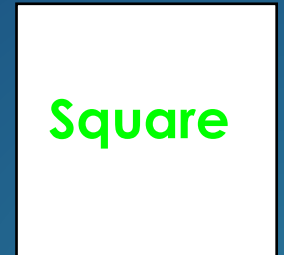
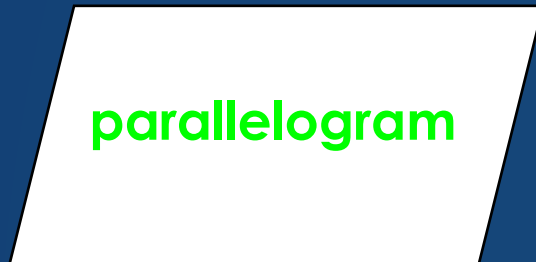
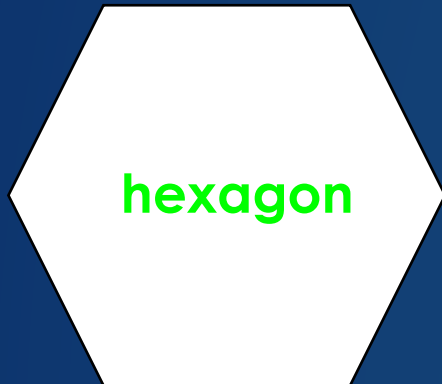
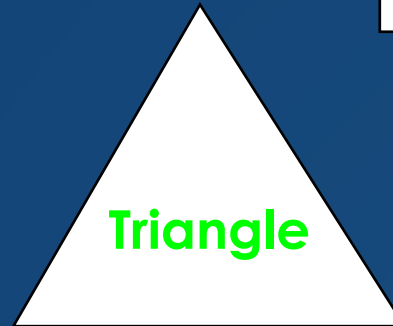
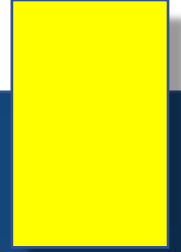


Star



Square

Did you notice that there are no longer circles or ovals in this picture?



A **polygon** is a 2-D shape that is made with three or more straight lines and is closed.



Rectangle

trapezoid

rhombus

Triangle

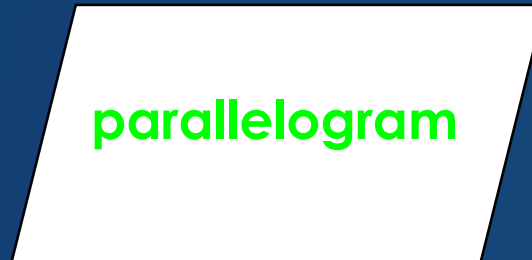
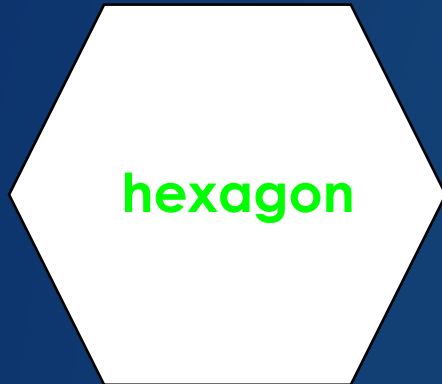
hexagon

parallelogram

Star

Square

The rules for a polygon



A polygon has rules:

1. It must be a 2-D shape
2. It must have three or more straight lines
3. and it must be closed.

Is this a polygon?



Polygon rules

1. Is it 2-D?
2. Is it made of straight lines?
3. Is it closed?

Is this a polygon?



Polygon rules

1. Is it 2-D?

yes

2. Is it made of straight lines?

3. Is it closed?

Is this a polygon?



Polygon rules

1. Is it 2-D? **yes**
2. Is it made of straight lines? **yes**
3. Is it closed?

Is this a polygon?



Polygon rules

1. Is it 2-D? **yes**
2. Is it made of straight lines? **yes**
3. Is it closed? **NO**

If it does not follow all of the rules –
then it is not a polygon!



Polygon rules

1. Is it 2-D? **yes**
2. Is it made of straight lines? **yes**
3. Is it closed? **NO**

This is NOT a polygon



Polygon rules

1. Is it 2-D? **yes**
2. Is it made of straight lines? **yes**
3. Is it closed? **NO**

Is this a polygon?



Polygon rules

1. Is it 2-D?
2. Is it made of straight lines?
3. Is it closed?

Is this a polygon?



Polygon rules

1. Is it 2-D? **yes**
2. Is it made of straight lines?
3. Is it closed?

Is this a polygon?



Polygon rules

1. Is it 2-D? **yes**
2. Is it made of straight lines? **yes**
3. Is it closed?

Is this a polygon?



Polygon rules

1. Is it 2-D? **yes**
2. Is it made of straight lines? **yes**
3. Is it closed? **yes**

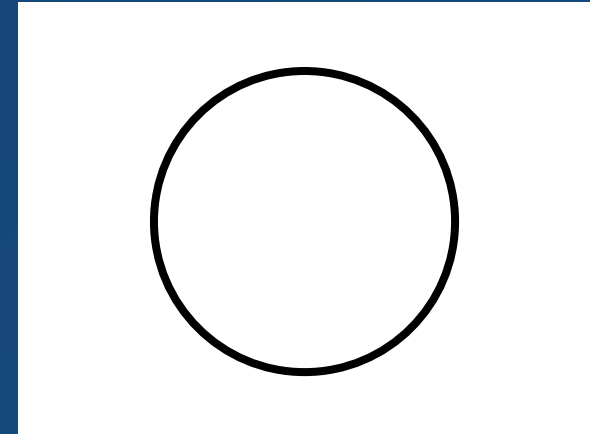
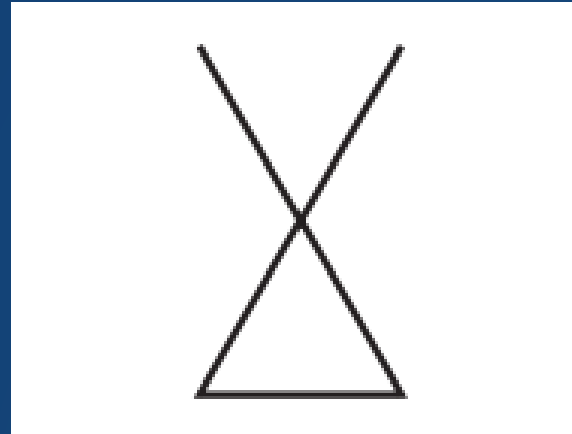
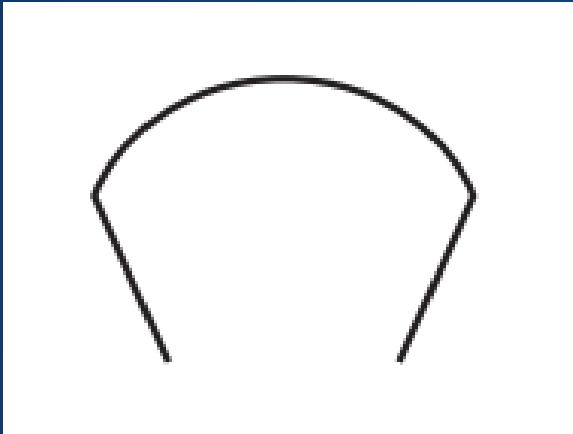
This is a polygon!



Polygon rules

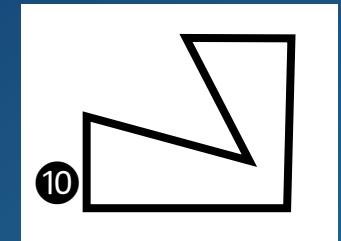
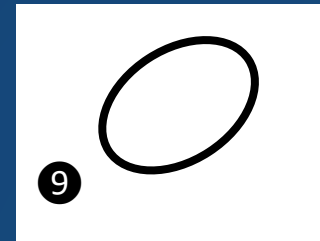
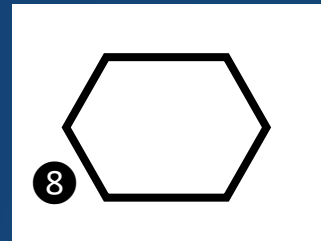
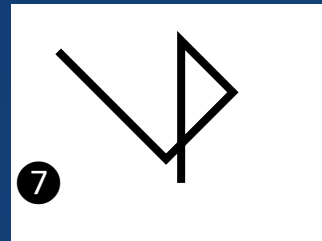
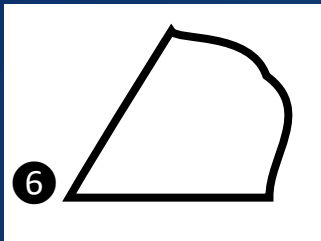
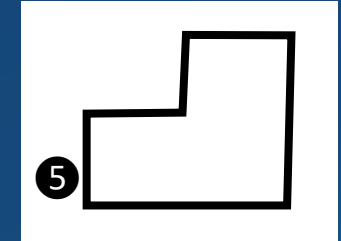
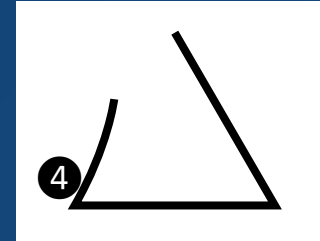
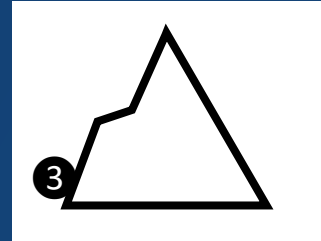
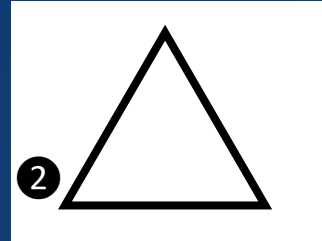
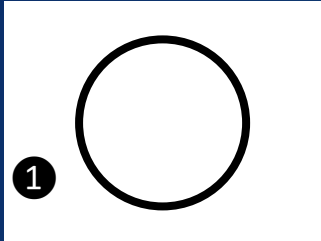
1. Is it 2-D? **yes**
2. Is it made of straight lines? **yes**
3. Is it closed? **yes**

These are NOT polygons!



They are 2-D shapes, but
Two of them have curved lines – not a polygon
Two of them are not closed shapes – not a polygon

Which of these are polygons?



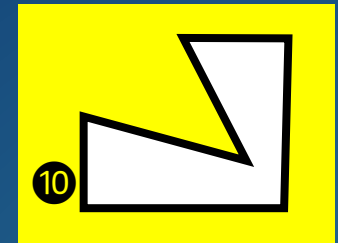
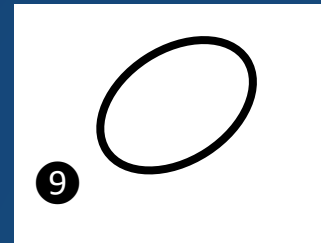
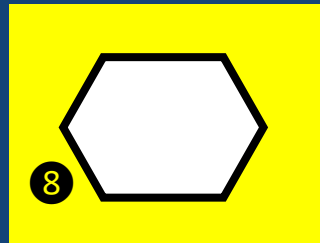
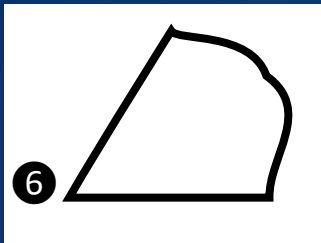
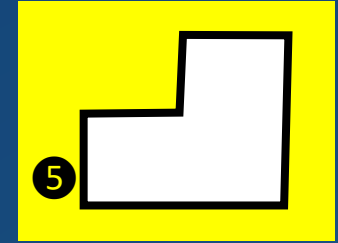
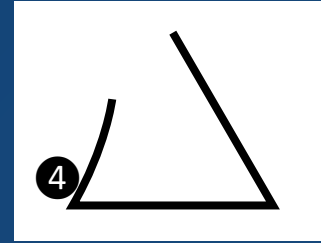
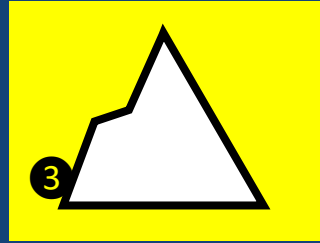
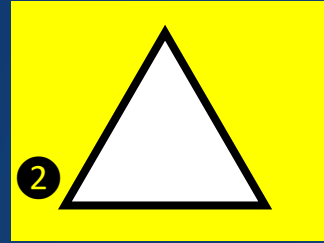
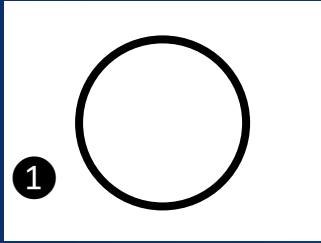
Don't forget the rules:

1. Is it 2-D?

2. Is it made of straight lines?

3. Is it closed?

Which of these are polygons?



The yellow shapes are polygons because they are 2-D, they are closed and are made from straight lines.



A new Quizlet will start tomorrow – hopefully.

For now just email me answers
and have a great day!

email me!! with your answers!

lcronin@wtps.org