



Classwork 4-1-2020

Special Shapes

Now that we reviewed shape names lets learn about
Polygons!



Good morning and hello Fourth Graders from Mrs. Cronin!

Today is Wednesday 4-1-2020

Where To Find Your Work: <https://lynncronin.weebly.com/> download
3-26-2020 Grade 4 Polygons

Learning Objectives: By the time we are done with this lesson you will be able to identify polygons

Learning Activities: PowerPoint and polygon game

How I will see/check your work: Email or OneNote

How We Communicate: email lcronin@wtps.org or OneNote

MA.4.NF.C.6, MA.4.NF.C, MA.4.NF.B.4c, MA.4.NF.B.3d, MA.4.NF.A,

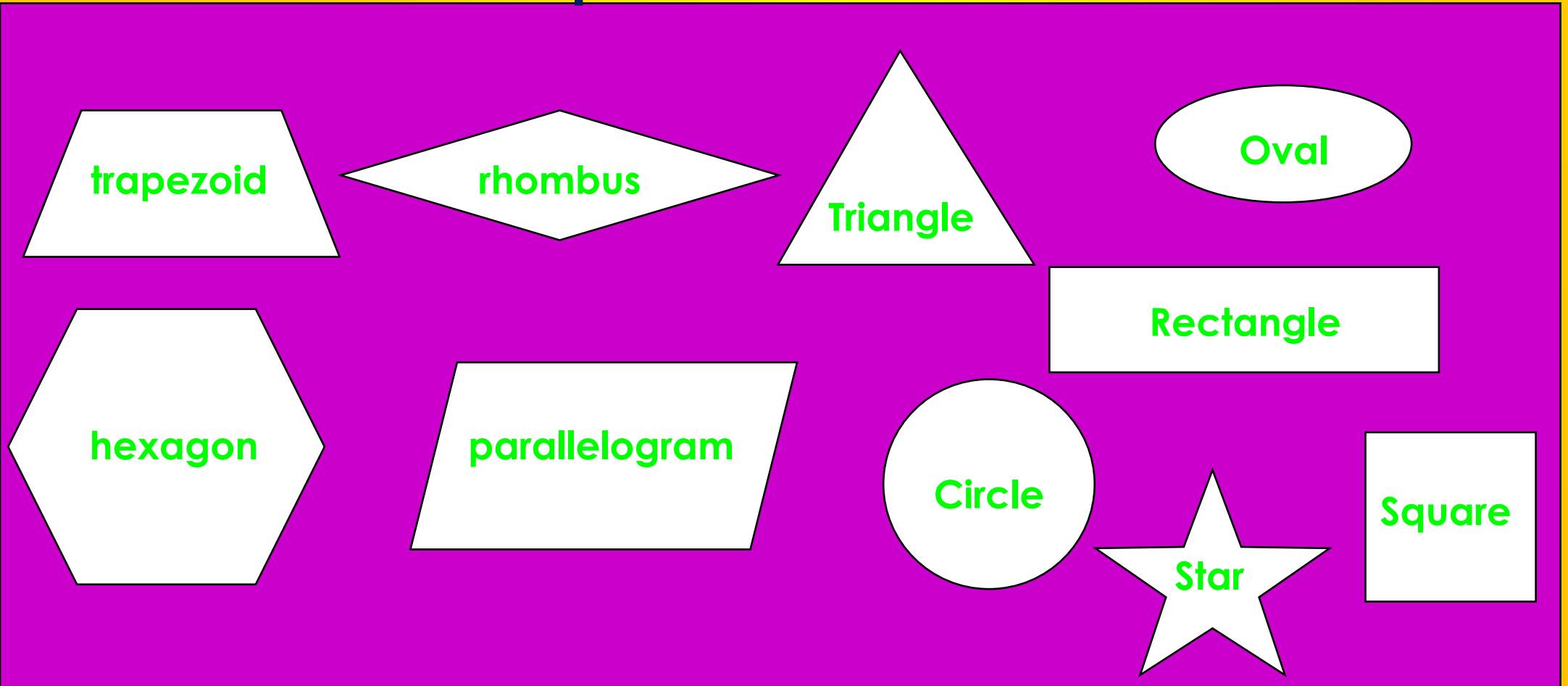


Guys – I have missed you so much!

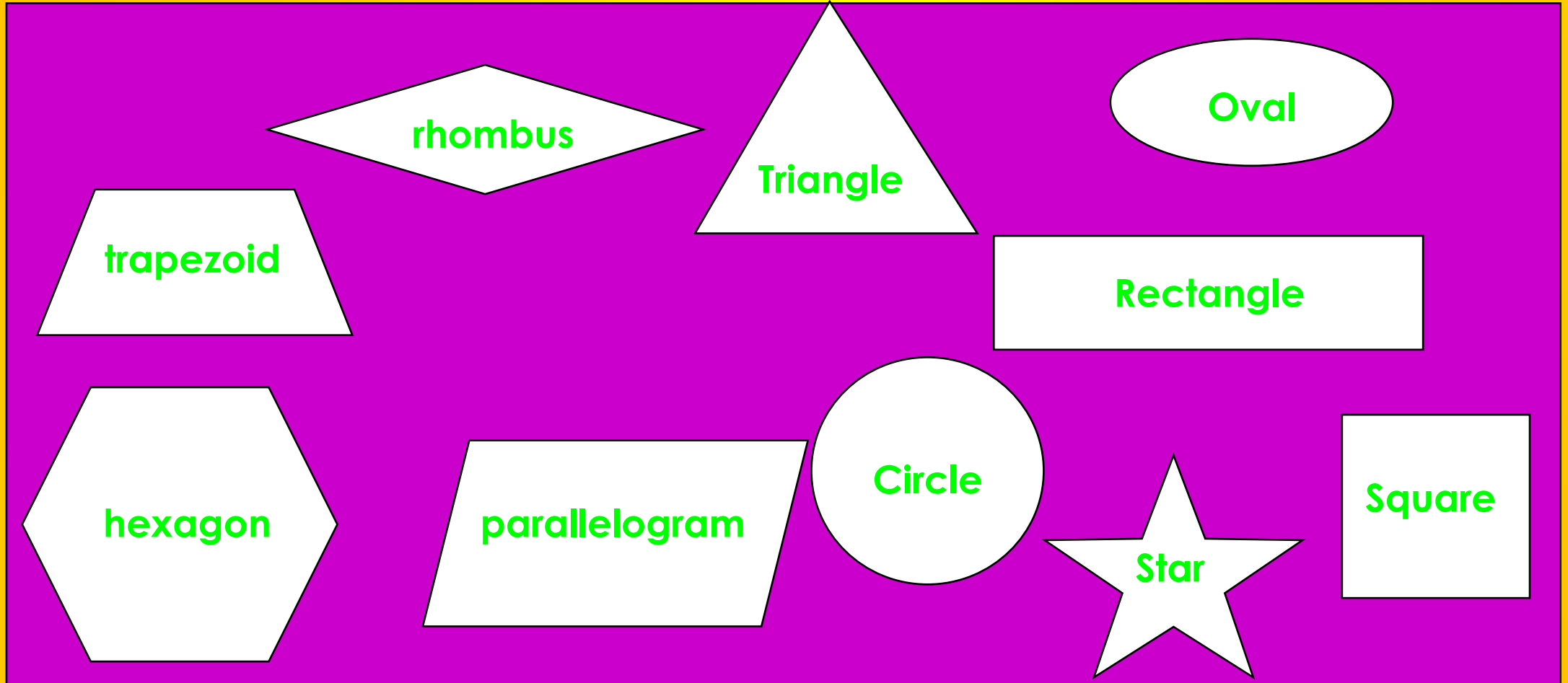
**As you know I have been sick,
but I am getting better now.**

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

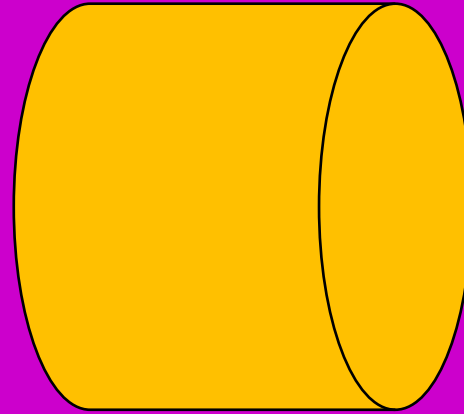
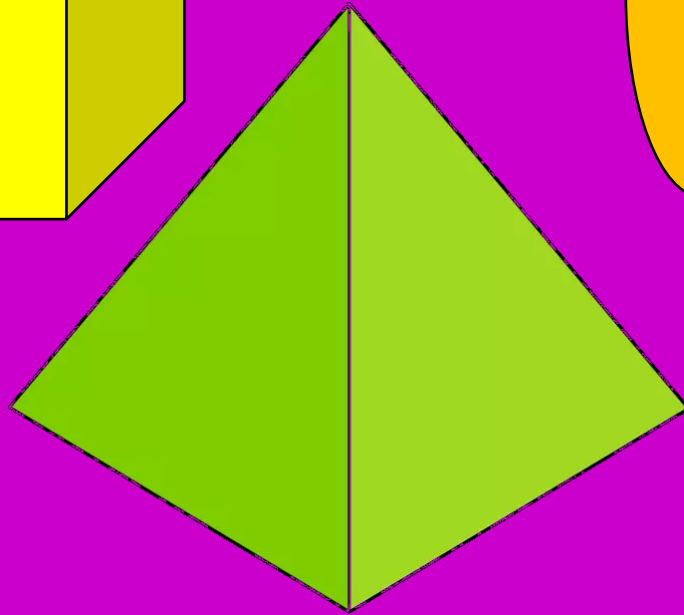
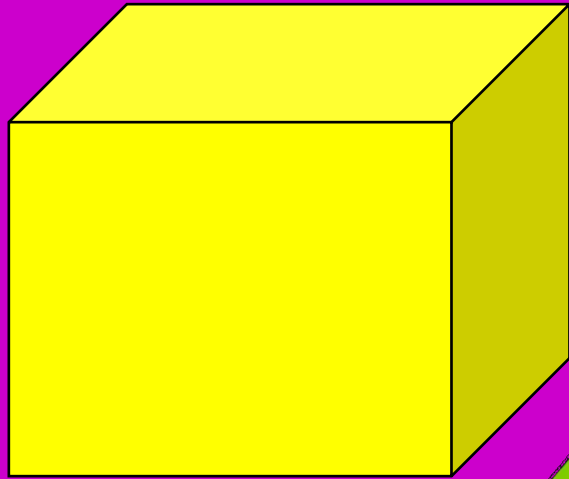
All of these shapes are also two dimensional
we call them 2-D shapes.



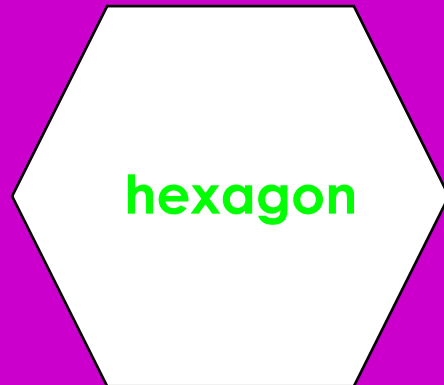
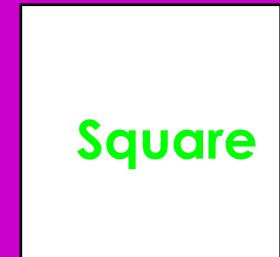
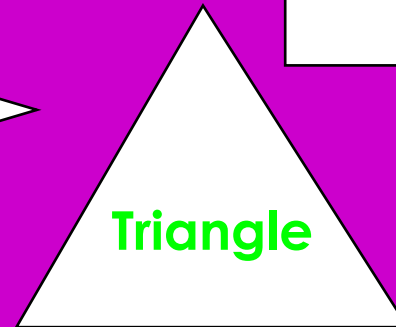
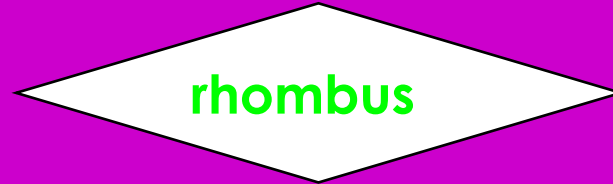
2-D (two dimensional) shapes are FLAT



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.



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



trapezoid



rhombus



Rectangle



Triangle



Square



hexagon

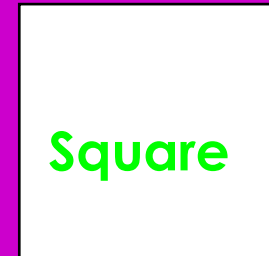
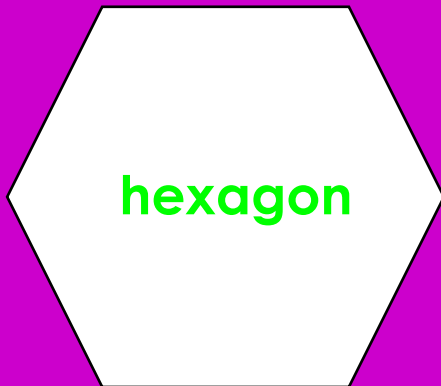
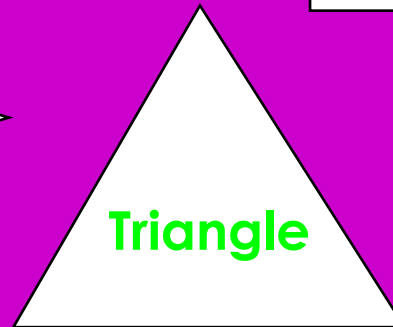
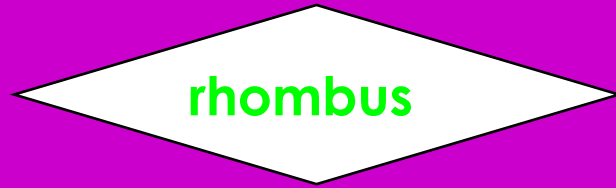


parallelogram



Star

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.



trapezoid



rhombus



Rectangle



Triangle



Square



hexagon



parallelogram



Star

The rules for a polygon



trapezoid



rhombus



hexagon

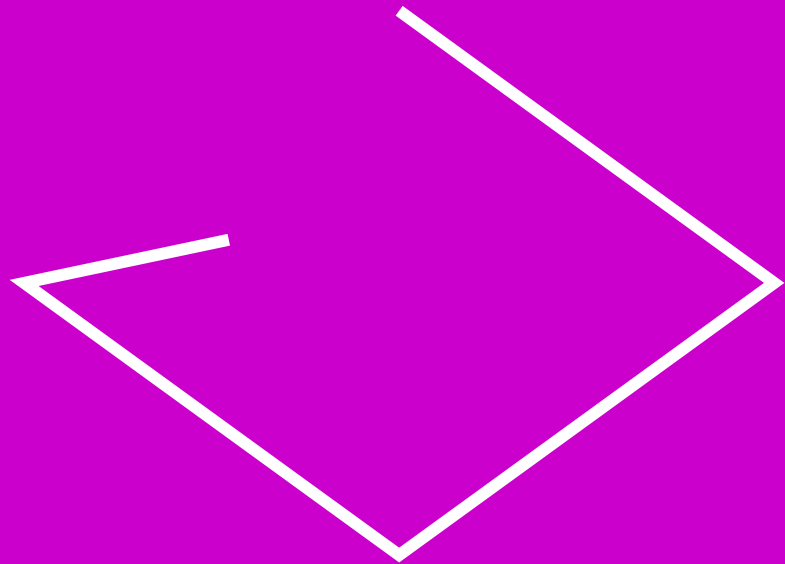


parallelogram

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.

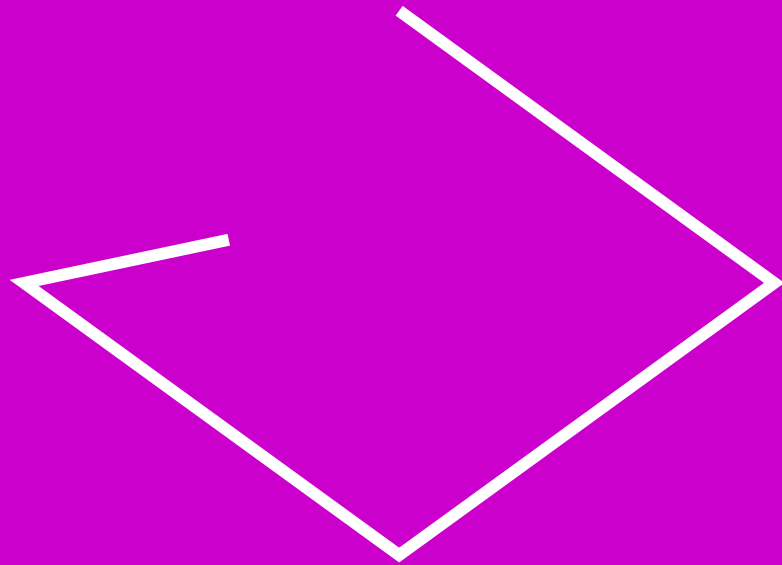
Is this a polygon?



Polygon rules

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

Is this a polygon?



Polygon rules

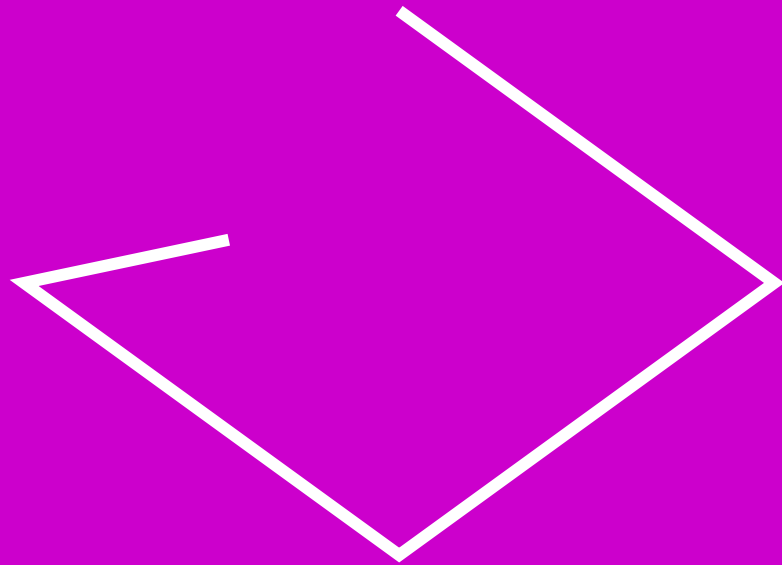
1. Is it 2-D?

yes

2. Is it made of straight lines?

3. Is it closed?

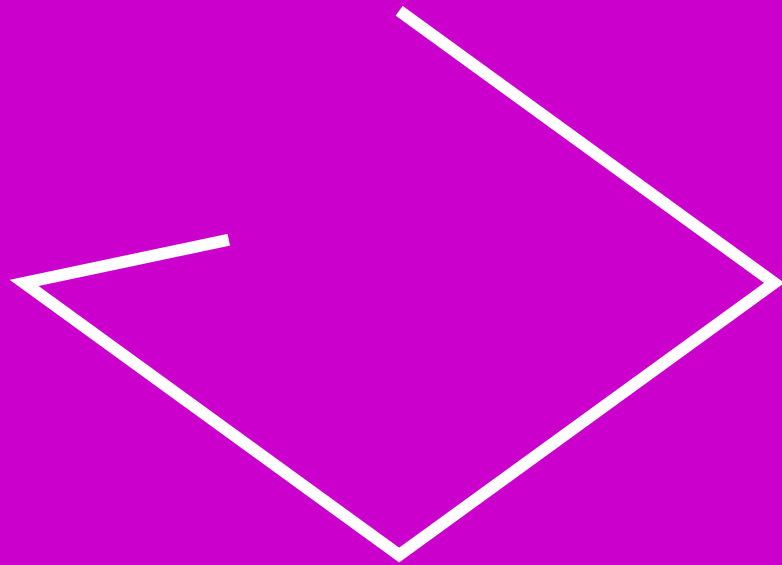
Is this a polygon?



Polygon rules

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

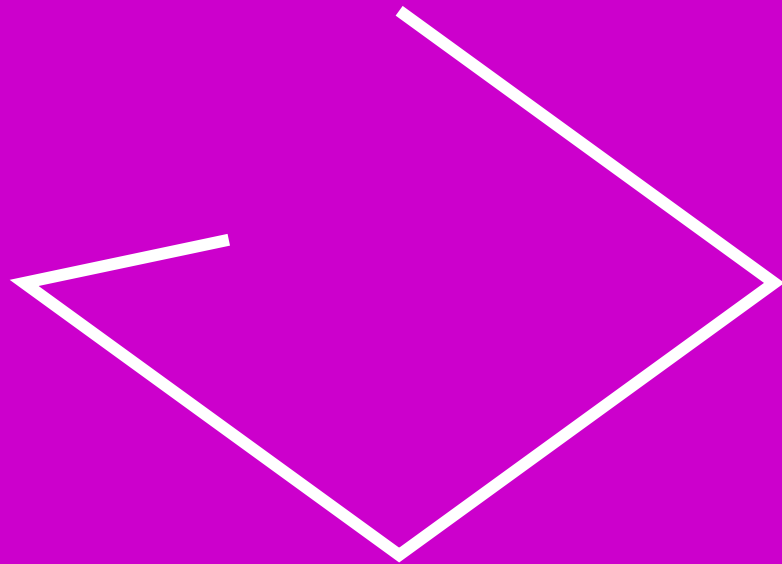
Is this a polygon?



Polygon rules

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

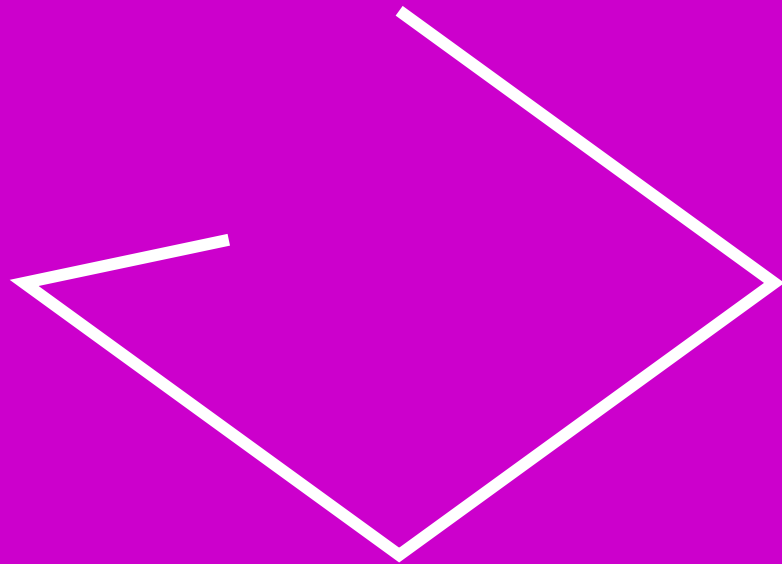
**If it does not follow all of the rules –
then it is not a polygon!**



Polygon rules

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

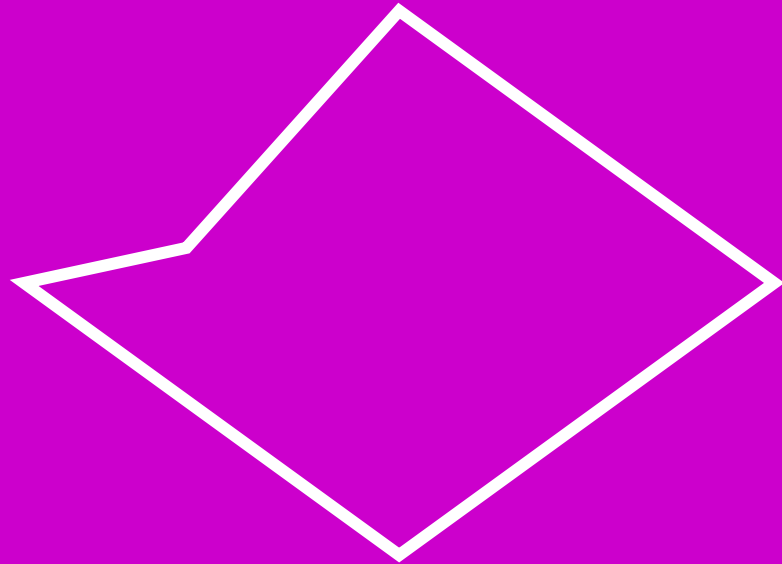
This is NOT a polygon



Polygon rules

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

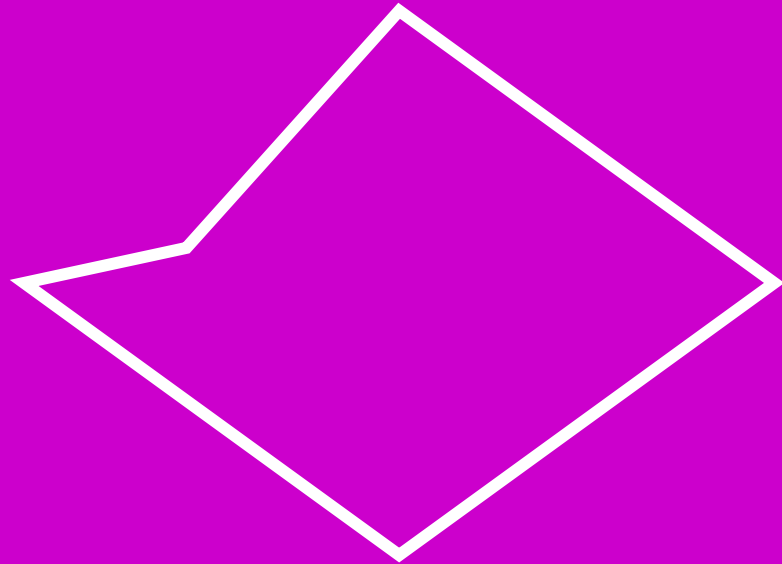
Is this a polygon?



Polygon rules

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

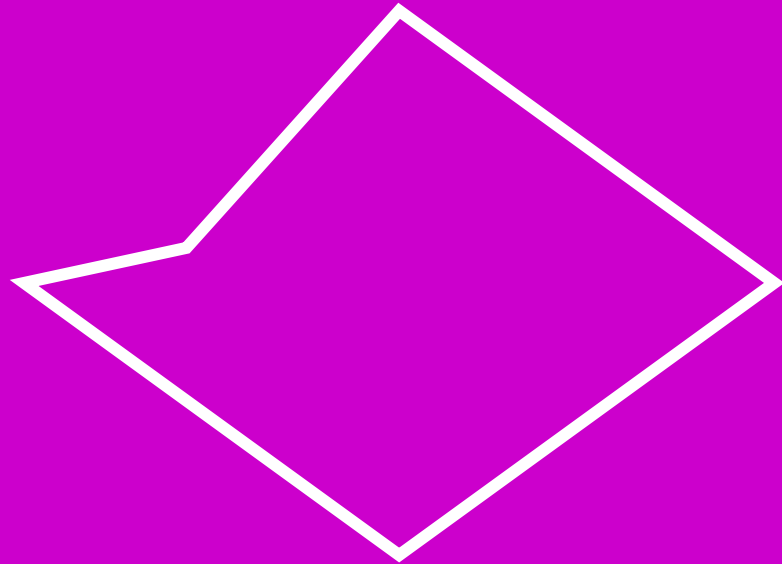
Is this a polygon?



Polygon rules

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

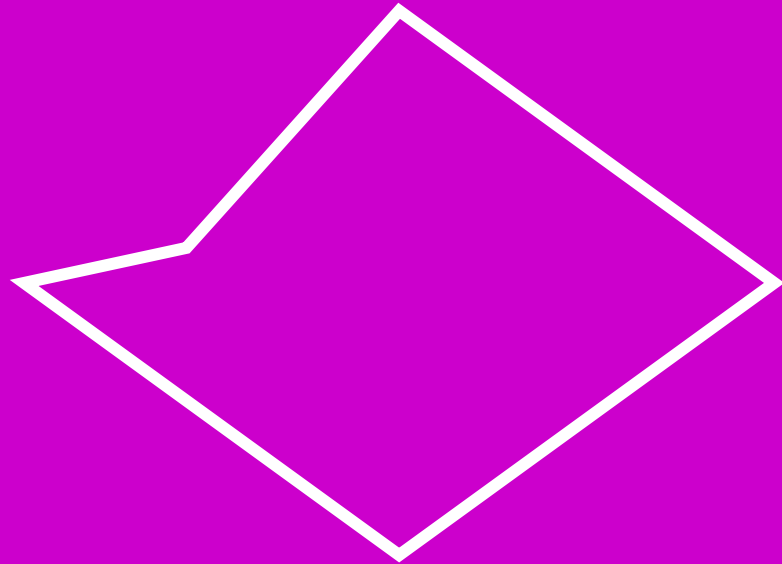
Is this a polygon?



Polygon rules

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

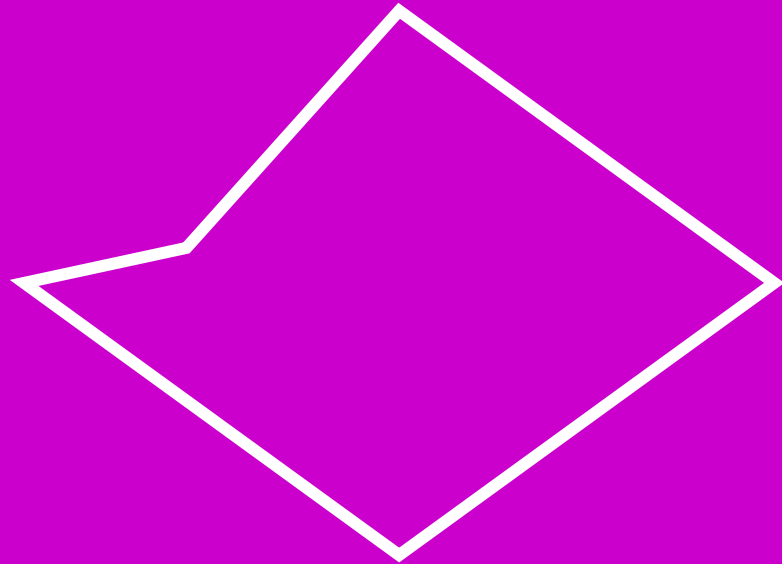
Is this a polygon?



Polygon rules

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

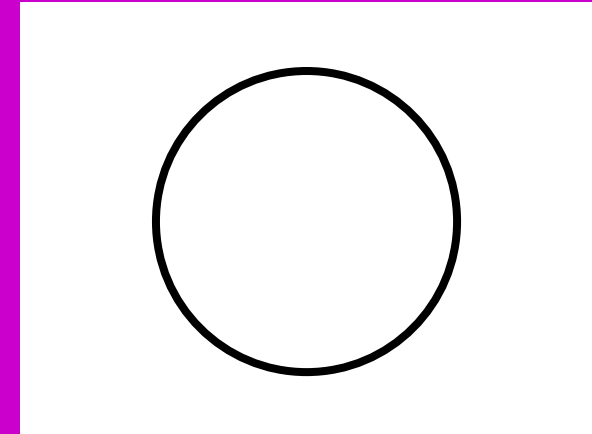
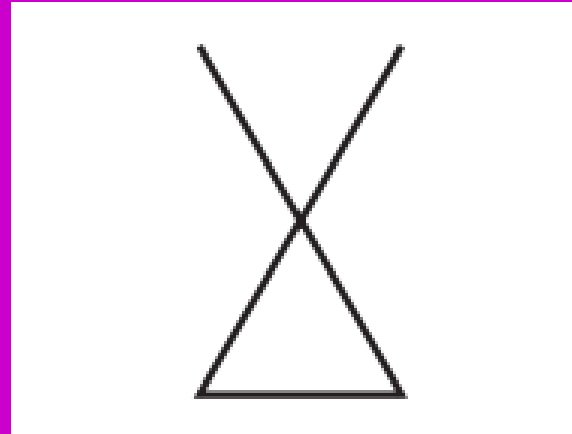
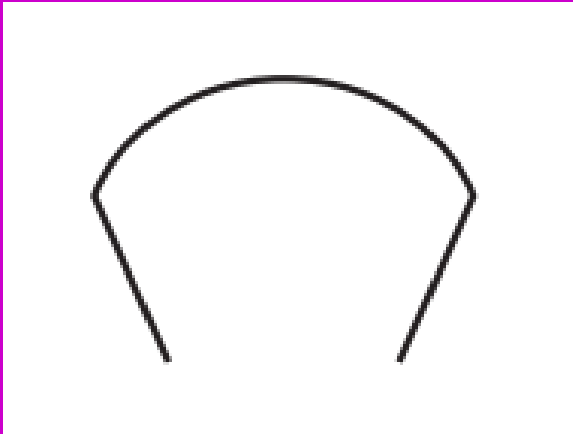
This is a polygon!



Polygon rules

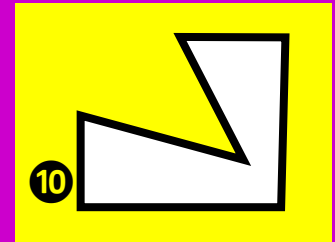
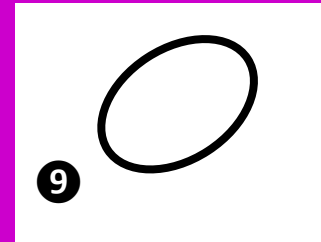
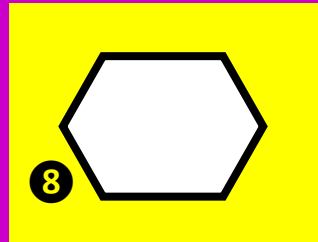
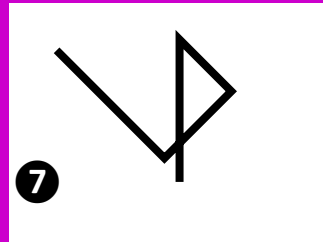
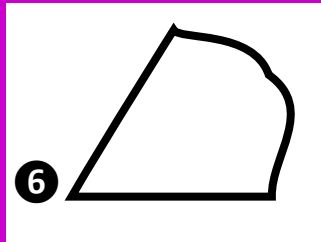
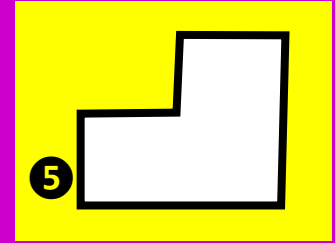
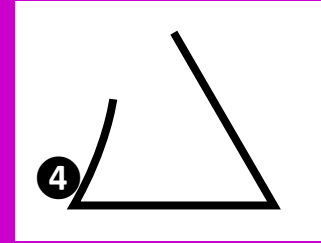
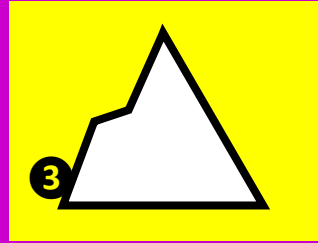
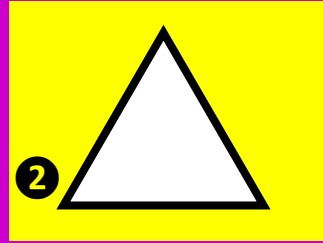
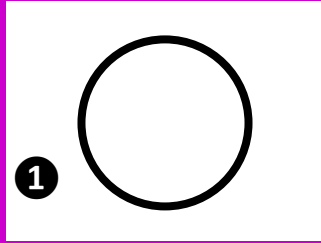
1. Is it 2-D? **yes**
2. Is it made of straight lines? **yes**
3. Is it closed? **yes**

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?



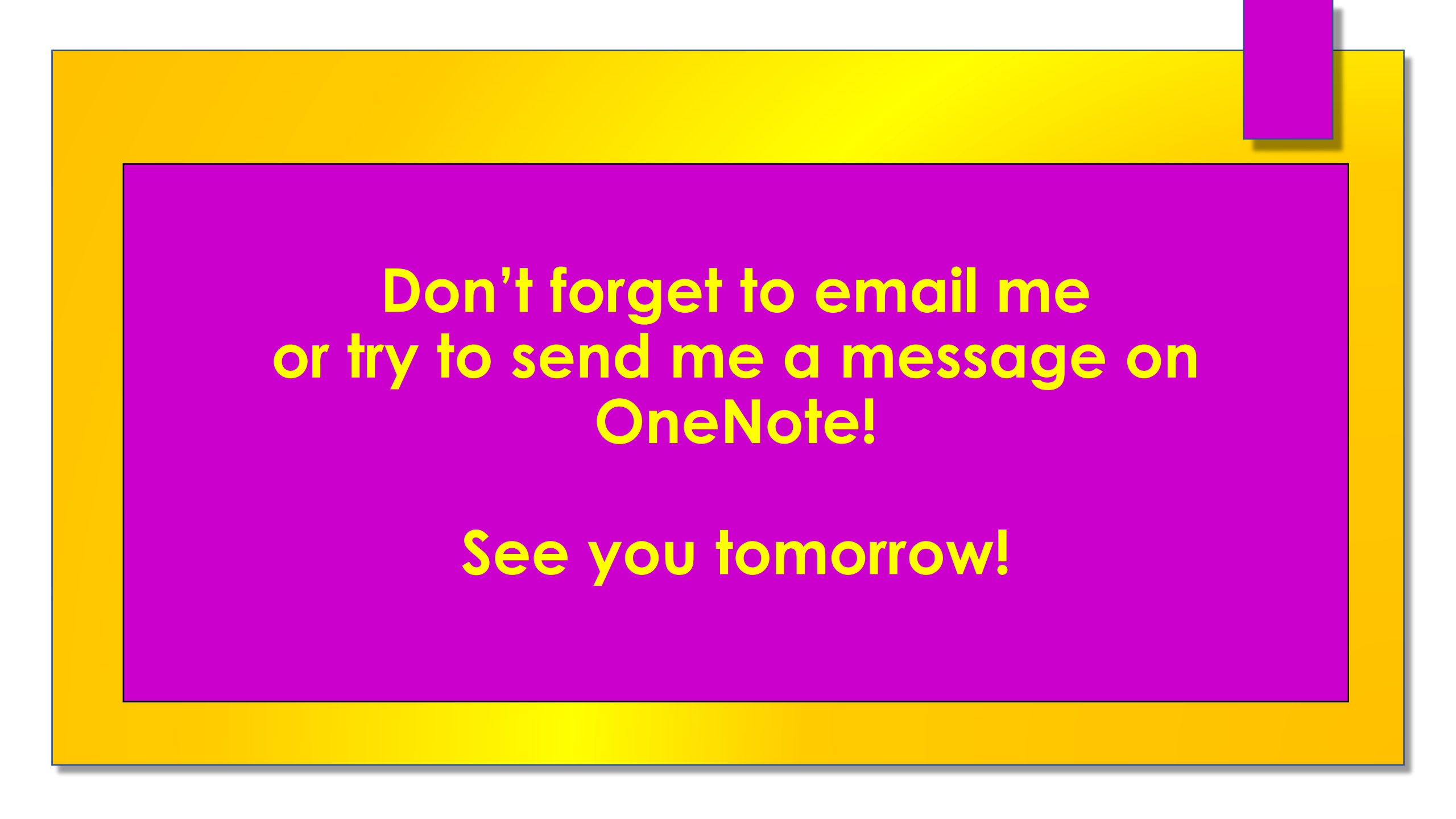
The yellow shapes are polygons because they are 2-D, they are closed and are made from straight lines.

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



**Don't forget to email me
or try to send me a message on
OneNote!**

See you tomorrow!