Name _____

Get this straight!
Be smart.
It's A - O.K.
To be a
Math Mouth
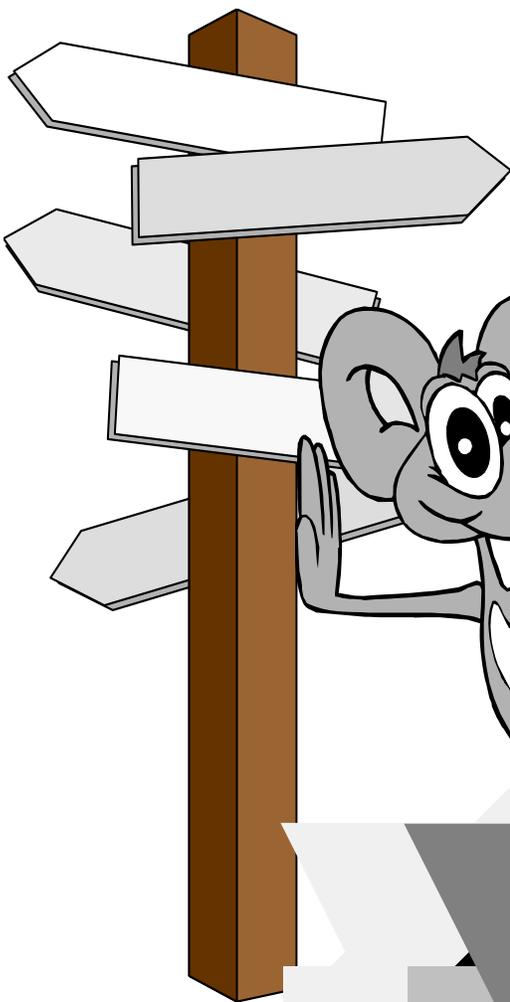
|	
Point	Side
Line segment	Angle
Square	Two-dimensional
Rectangle	Three-dimensional
Triangle	Diagonal

Vertex (Vertices)

Names _____ and _____

POINTS

Directions

THE OBJECT: To connect POINTS by making LINE SEGMENTS to make TWO-DIMENSIONAL SQUARES. The student who has the most SQUARES at the end of the game is the winner.

TO PLAY: Decide which player will go first. When it is your turn, you draw one LINE SEGMENT from one POINT to another POINT. It can be anywhere on the play area. It can join another LINE SEGMENT to form the VERTEX of an ANGLE, or it can be made anywhere on the play area and not touch any other LINE SEGMENTS. All LINE SEGMENTS must be up and down or back and forth. None can be DIAGONAL or CURVED. When you have made a SQUARE, place your initial in the SQUARE. You may start anywhere on the play area and may place a LINE SEGMENT anywhere when it is your turn. You may not erase a LINE SEGMENT. Once you have drawn it, it must stay there.

Use that Math Mouth!
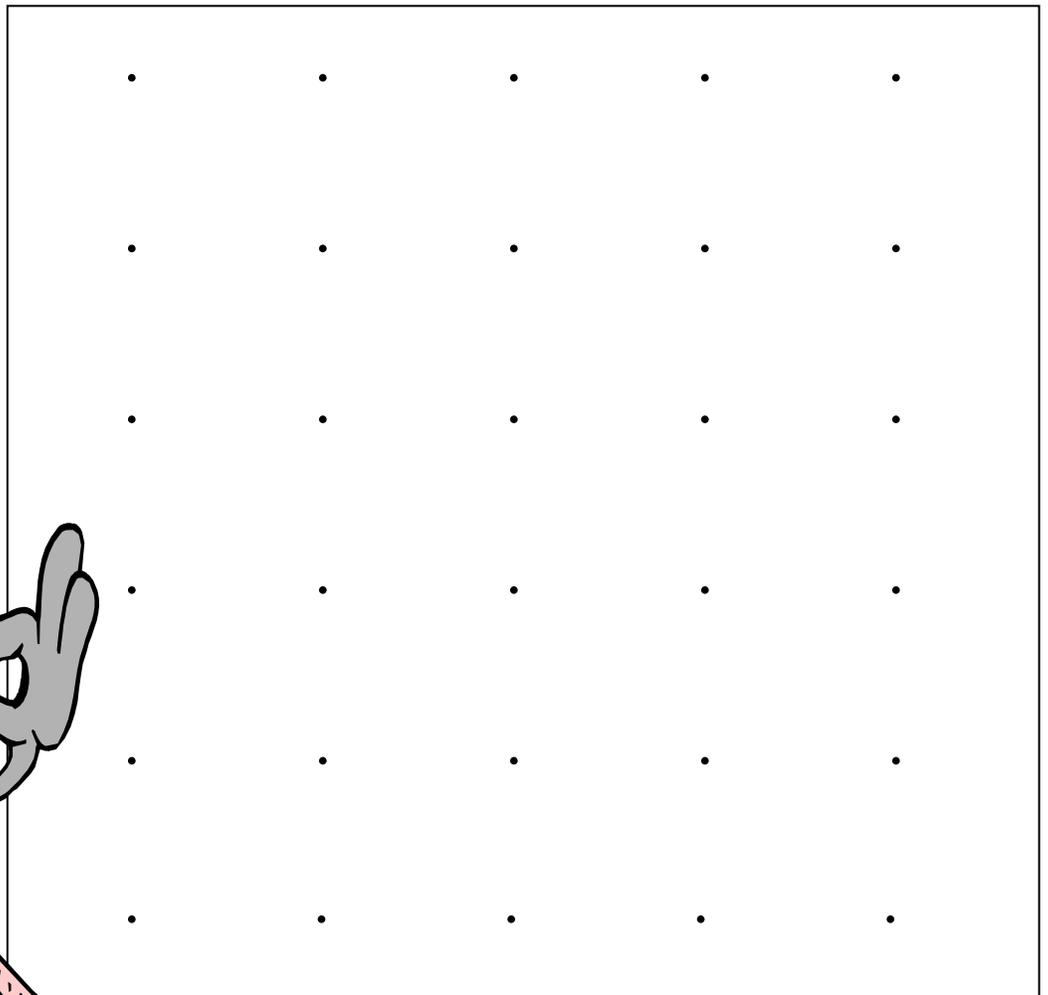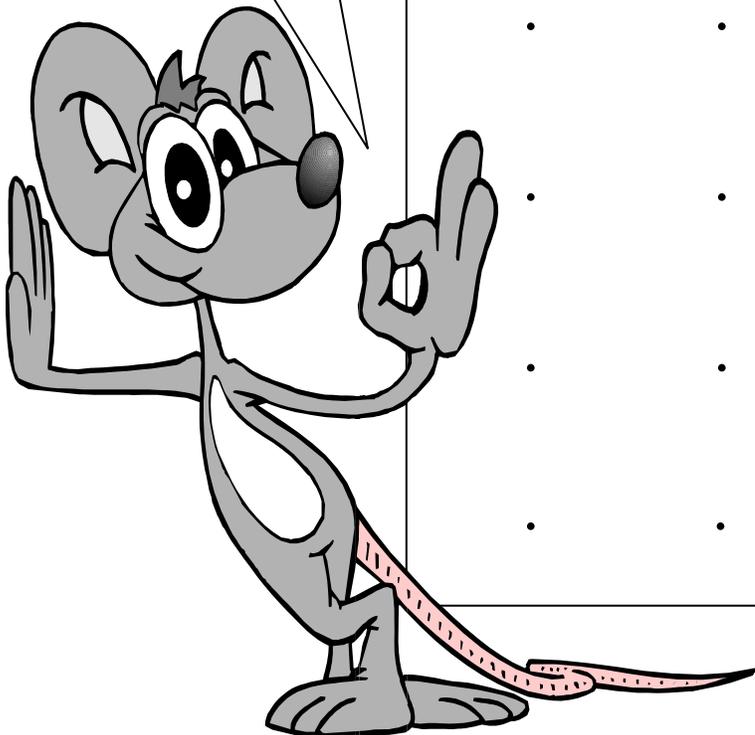
MANY MUMBLING MICE

Look at the POINTS game area to answer the questions.

Do you see any two-dimensional shapes? _____

How do you know they are two-dimensional?

_____

How many squares did your team make? _____

Tell three reasons why you know you made squares.

1. _____

2. _____

3. _____

Did you make any triangles? _____

Why was it impossible to make triangles?

_____

Look closely at your POINTS game.

Can you see any rectangles? _____

Tell three things you know about a rectangle.

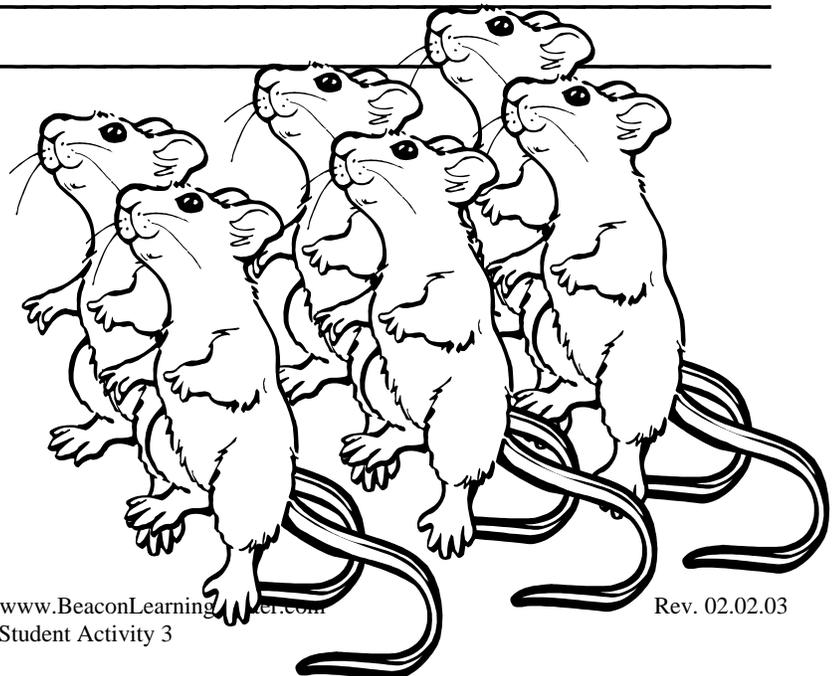1. _____

2. _____

3. _____

How many vertices does a

Square have? _____

Circle have? _____

Why? _____

Rectangle have?_____

MANY MUMBLING MICE (KEY)

Look at the POINTS game area to answer the questions.

Do you see any two-dimensional shapes? **_Yes_**

How do you know they are two-dimensional?

They can only be measured in two directions. (Back and forth and up and down.)

How many squares did your team make? **_(Whatever number)_**

Name three reasons why you know you made squares.

1. **_They have four angles all the same and four vertices._**
2. **_They have four line segments or sides all the same length._**
3. **_They are two-dimensional._**

Did you make any triangles? **_No_**

Why was it impossible to make triangles?

We could not make any diagonal line segments.

Look closely at your POINTS game.

Can you see any rectangles? **_Yes_**

Tell three things you know about a rectangle.

1. **_Four line segments or sides, and only opposite sides are equal_**
2. **_Four angles and four vertices_**
3. **_It is two-dimensional._**

How many vertices does a

Square have? **_Four_**

Circle have? **_None_**

Why? **_A circle is made with a curved line._**

Rectangle have? **_Four_**