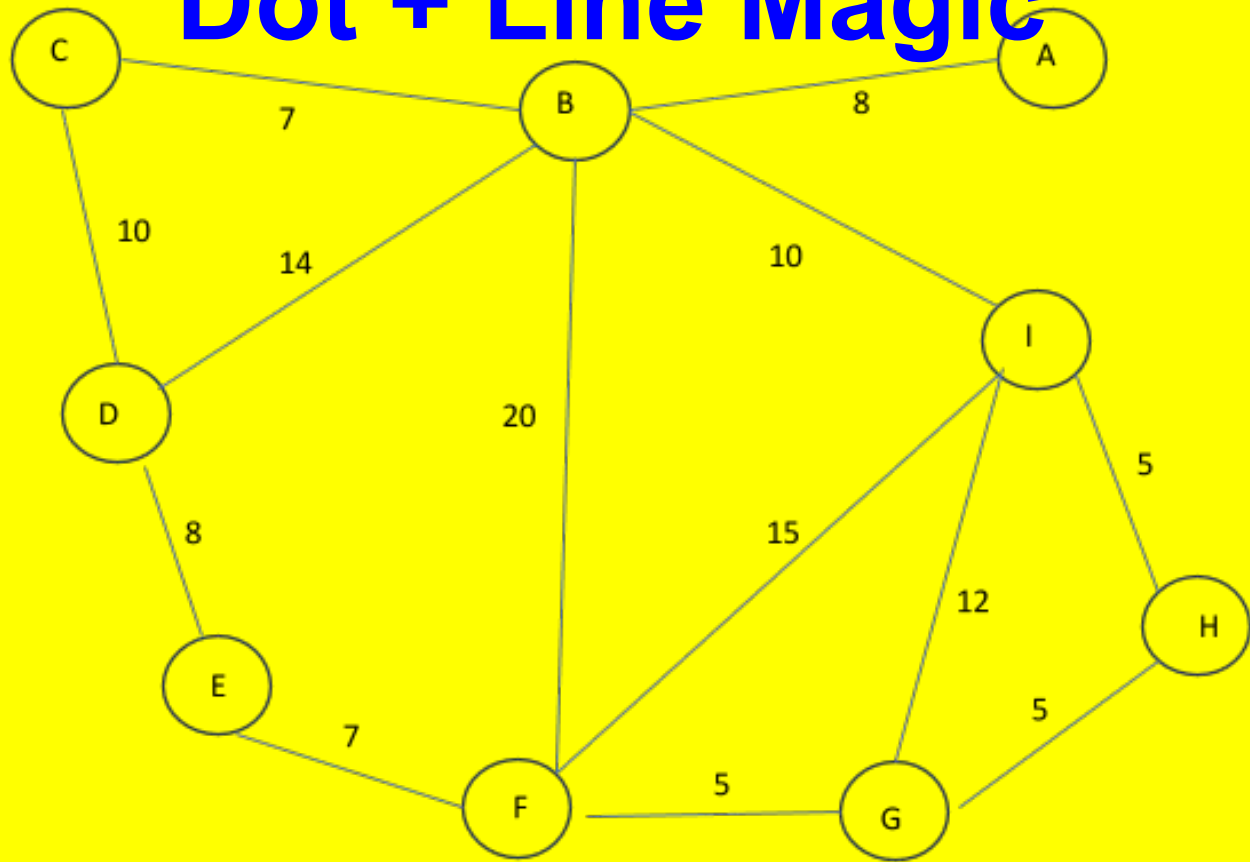
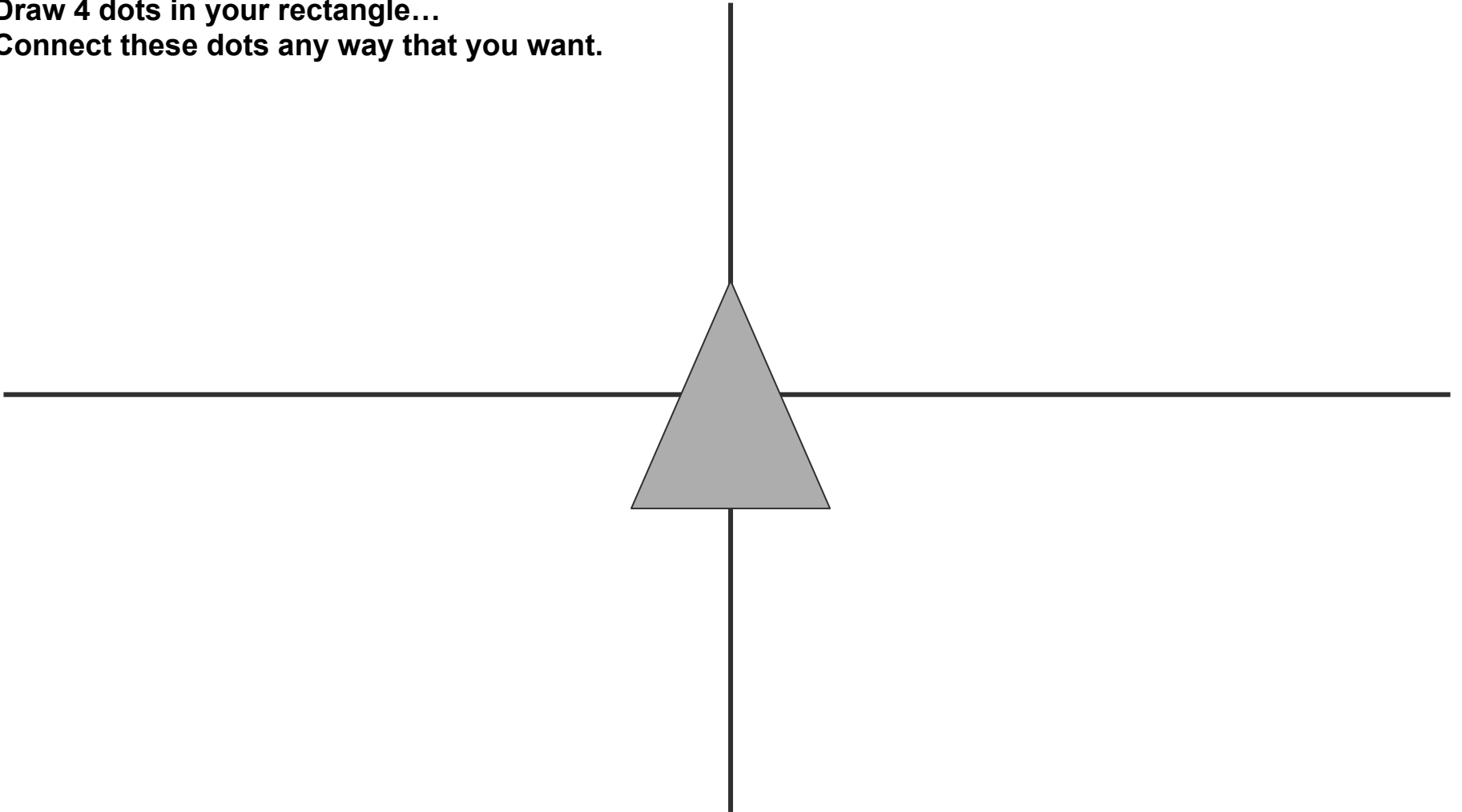


Dot + Line Magic



Draw 4 dots in your rectangle...
Connect these dots any way that you want.



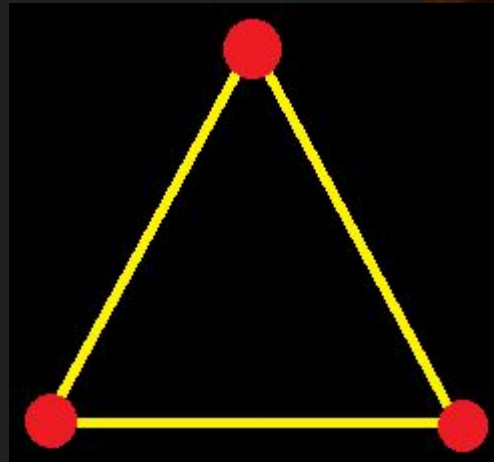
The “dots” you drew are called:

Vertices

(singular - vertex)

Just a complicated word for
corners...

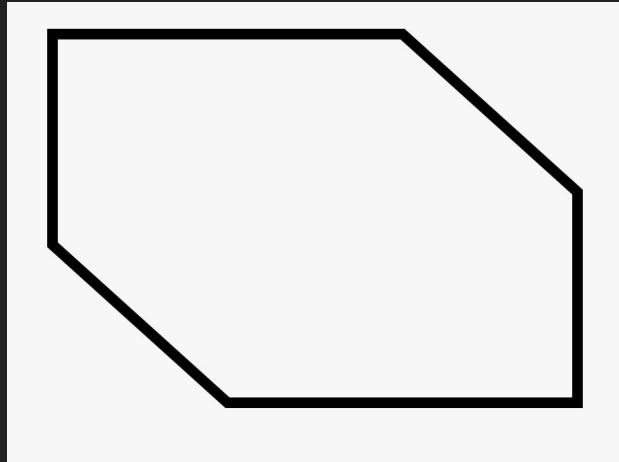
Vertices are where **2 lines**
meet or where a line
ends.



The “lines” you drew to connect the dots are called:

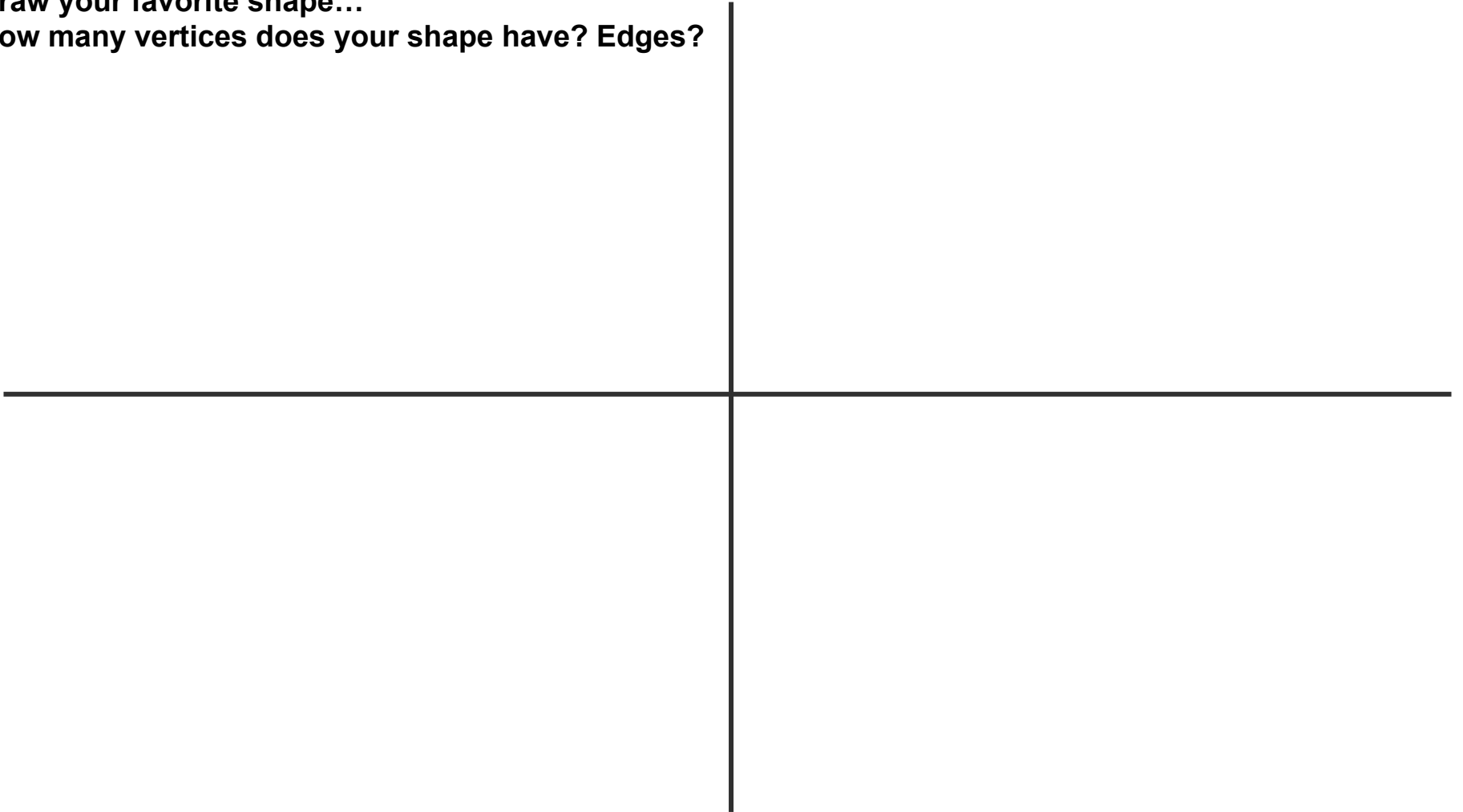
Edges

Fancy word for: **SIDES**



Draw your favorite shape...

How many vertices does your shape have? Edges?



LET'S PLAY A GAME!

1. Choose a number 1-5.
2. Draw that many vertices.
3. Connect with edges to make different shapes.

Extra! Challenge another player to make a shape with a set number of vertices and edges. “Make a shape with 4 vertices and 8 edges.” ... Expand the range of numbers of vertices to 1-10!