

A \_\_\_\_\_ is a closed 2D shape made up of points and segments. The points are called \_\_\_\_\_ and the segments are called \_\_\_\_\_. If we connect two \_\_\_\_\_ which are not next to each other by a segment, this segment is called a \_\_\_\_\_.

A \_\_\_\_\_ whose inner angles don't exceed  $180^\circ$  is called \_\_\_\_\_. Those that have only four sides even have special names. For example, a shape made of two pairs of parallel sides is called a \_\_\_\_\_. When in addition all of the sides share the same length, it's a \_\_\_\_\_. In general, a \_\_\_\_\_ with any number of sides that are all equally long is called \_\_\_\_\_.

Such shapes are interesting because they're symmetric with respect to a number of \_\_\_\_\_. We extensively studied two of those – \_\_\_\_\_ and \_\_\_\_\_. We also saw that their composition is again a \_\_\_\_\_ or a \_\_\_\_\_.

A \_\_\_\_\_ with only three sides is called a \_\_\_\_\_. Out of those, the ones having an inner angle of  $90^\circ$  are interesting. They're called \_\_\_\_\_. Their longest side is called a \_\_\_\_\_ and the two shorter ones are \_\_\_\_\_.

**HYPOTHENUSE****CONVEX****RHOMBUS****PLANE****REFLECTION****VERTEX****TRANSFORMATION****POLYGON****PARALLELOGRAM****TRIANGLE****RIGHT****DIAGONAL****REGULAR****ROTATION****EDGE****CATHETUS**