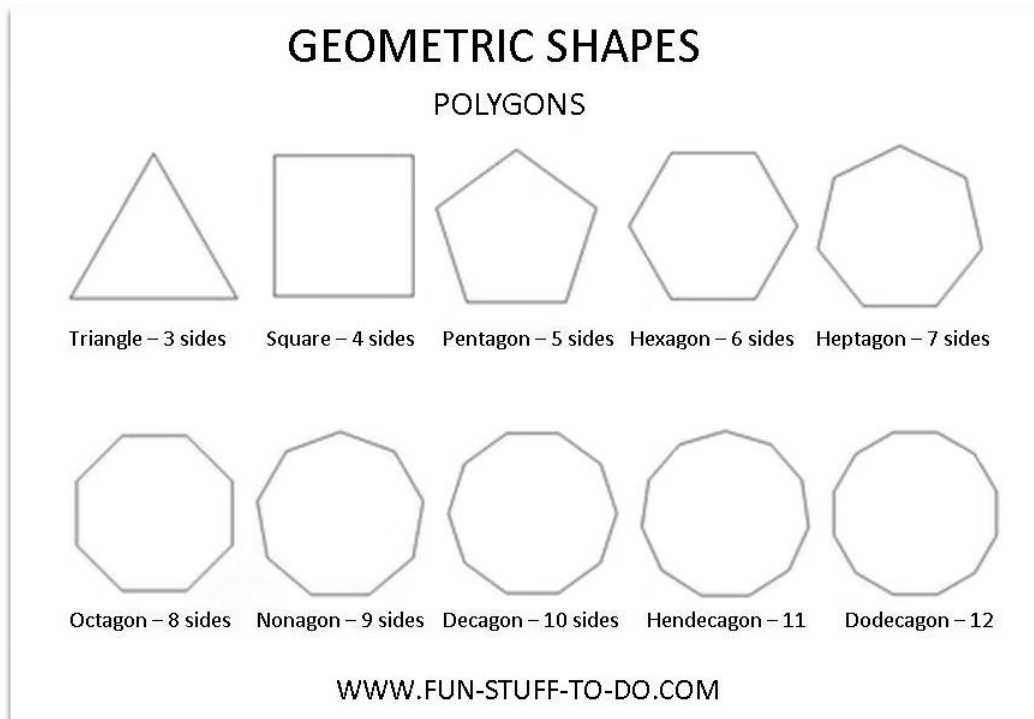
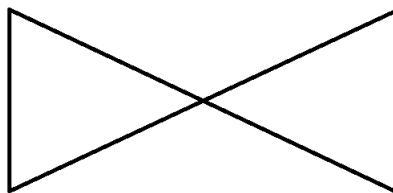


# Example of a closed Euler path

The standard examples of a graph with a closed Euler path are the boundaries of  $n$  – sided polygons.



However, there are also other examples, and the simplest is the **BOW TIE GRAPH** shown below:



There is an obvious Euler path (**Upper Left**) to (**Lower Right**) to (**Upper Right**) to (**Lower Left**) to (**Upper Left**). This path covers each edge exactly once, but it goes through the vertex in the middle twice.