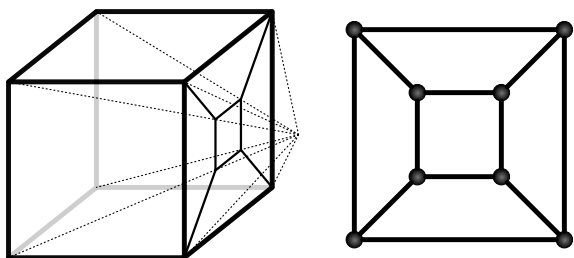


ADDITIONAL CARD

Schlegel diagram



Imagine looking through one of the faces of the polyhedron shown on the left. The edges and vertices that you see form a graph without overlapping the edges.

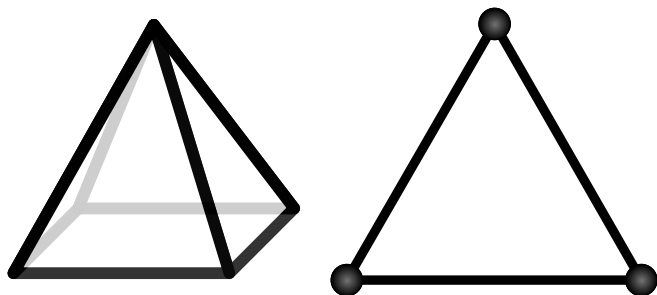
The resulting graph is called the SCHLEGEL DIAGRAM of the polyhedron. The Schlegel diagram is a special way to draw the graph of the polyhedron.

Exercises

1. Connect the Schlegel diagrams to the matching polyhedra.

(Be careful, there are two different Schlegel diagrams for one of the polyhedra.)

2. Draw the Schlegel diagram for the square pyramid in the given triangle by looking through a triangular face.



3. Now draw a Schlegel diagram by looking through the bottom square face.

How does the diagram change?

4. Pick a face of your polyhedron and draw the appropriate Schlegel diagram.

Compare it with the graph of your polyhedron on the its profile page.

