

Nested Polyhedrons

Due Friday April 26th by the end of the day:

Nested set (30 points)

The nested set will be graded on accuracy of figures and the presentation of your shapes.

- Cube
- Tetrahedron
- Octahedron
- Dodecahedron

Each figure must be constructed out of cardstock. The tabs should be glued so that they are not visible. An appropriate opening on each shape needs to allow the set to correctly nest. They should have clean folds and accurately represent the solid figure. There should be no visible tape.

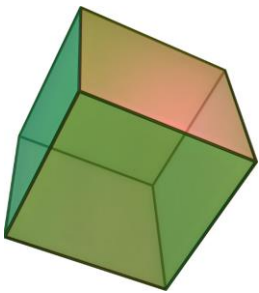
Nested set surface area calculations and nets (20 points)

Each of the first three figures must have a net layout drawn with their dimensions labeled.

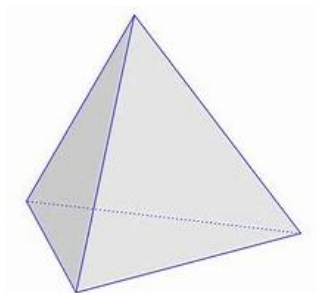
For the dodecahedron, you only need one pentagon in place of the entire net.

You must show the calculations for any edge lengths and the surface area for each of the four solid figures.

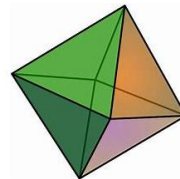
Cube



Tetrahedron



Octahedron



Dodecahedron

