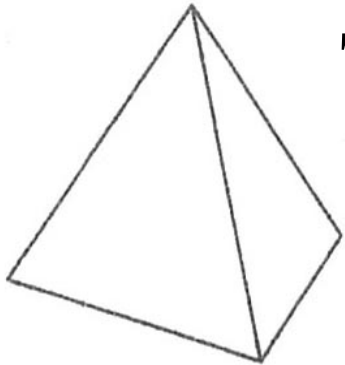


Homework 2

Tetrahedron



Made from: triangle

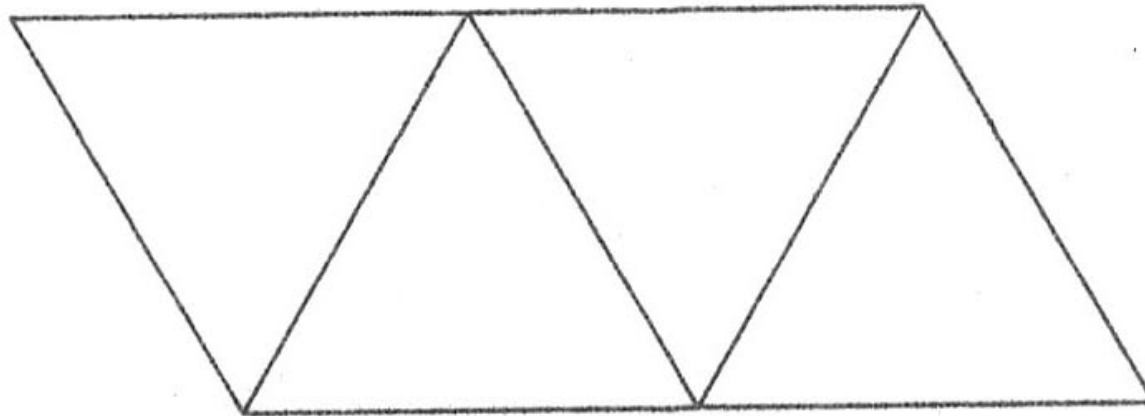
Faces: 4

Edges: 6

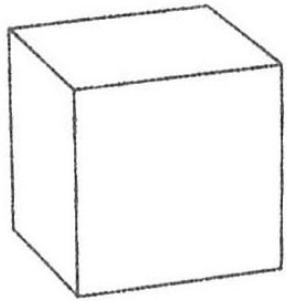
Vertices: 4

Visualizing the five perfect shapes (The Platonic Solids)

1. Remove this set of five pages from the workbook.
2. Write your name on the “face” of each fold-up part.
3. Write the name of each solid on one of its faces.
4. Cut out the fold-up parts for each of the five solids along the outer border only.
5. Fold up each cut-out part to form each solid, using a bit of cellophane tape to fasten each joining edge.
6. Put your solids in a small bag and turn them in for grading by the established deadline.



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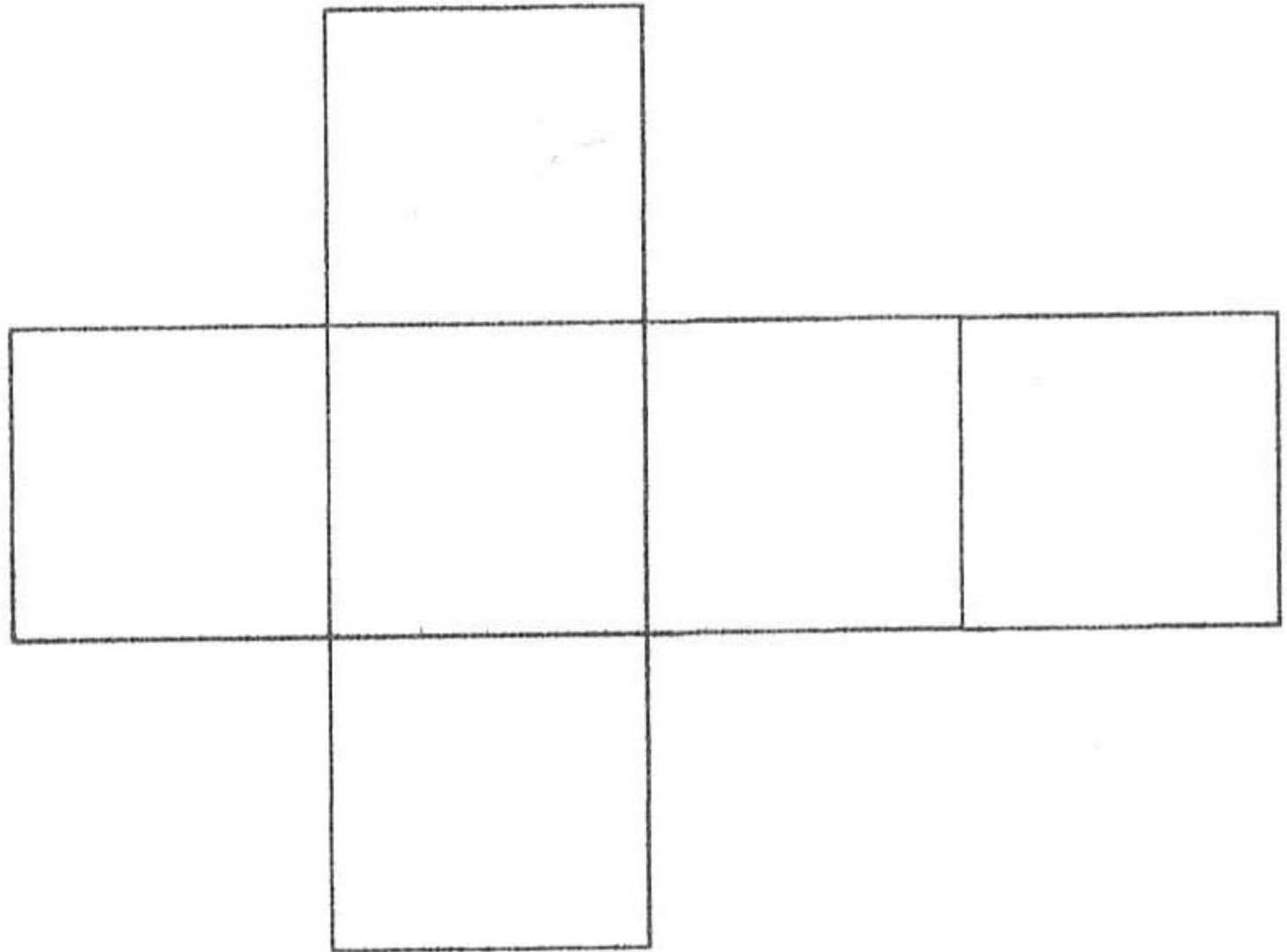
Cube

Made from: square

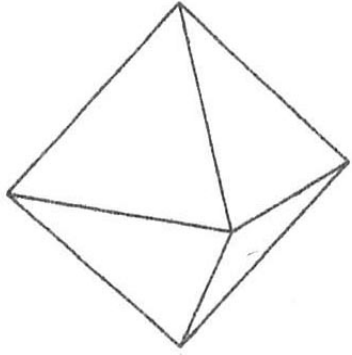
Faces: 6

Edges: 12

Vertices: 8

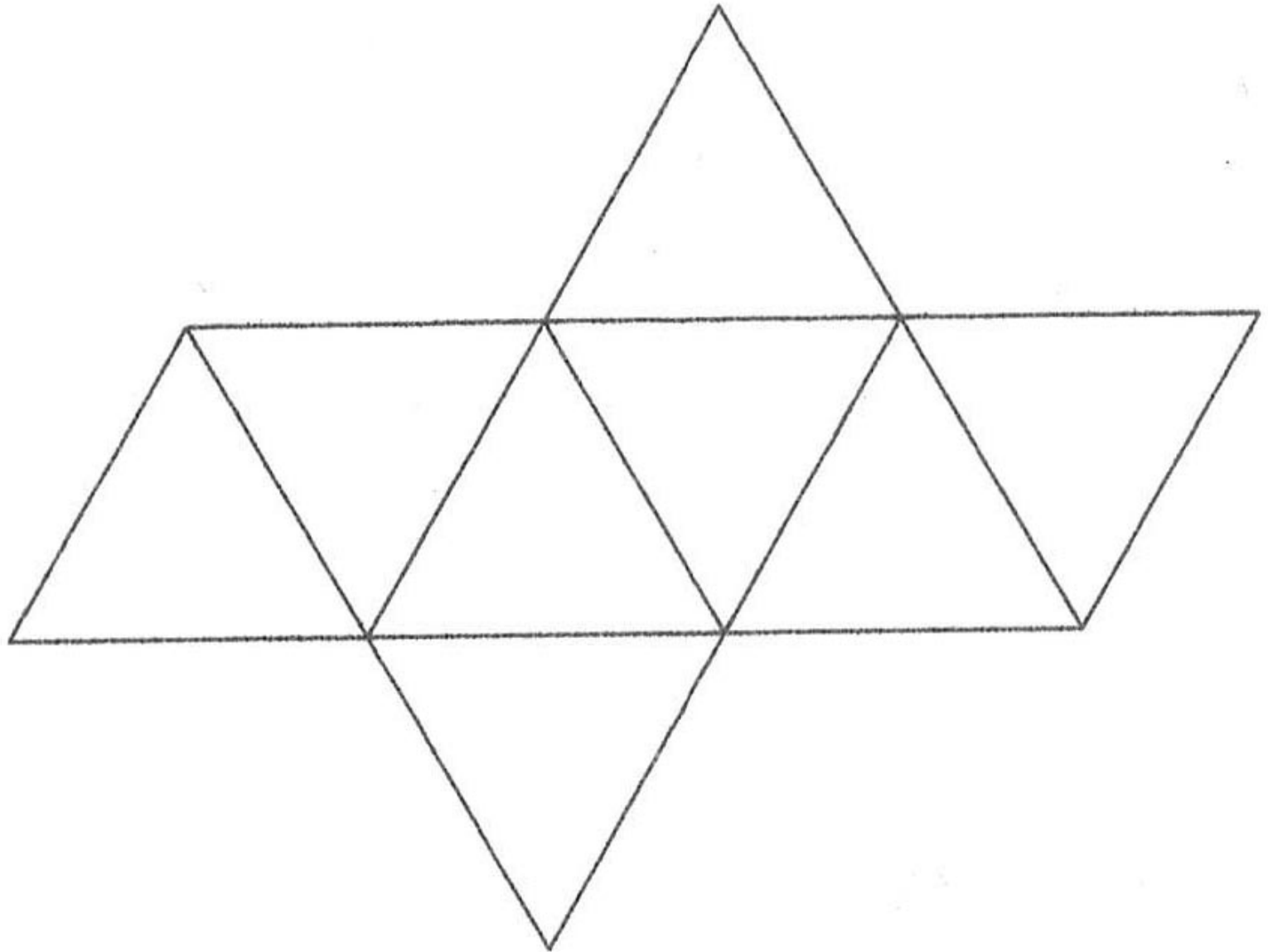


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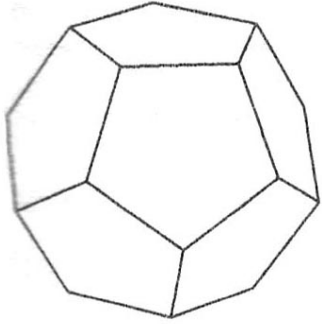


Octahedron

Made from: triangle
Faces: 8
Edges: 12
Vertices: 6



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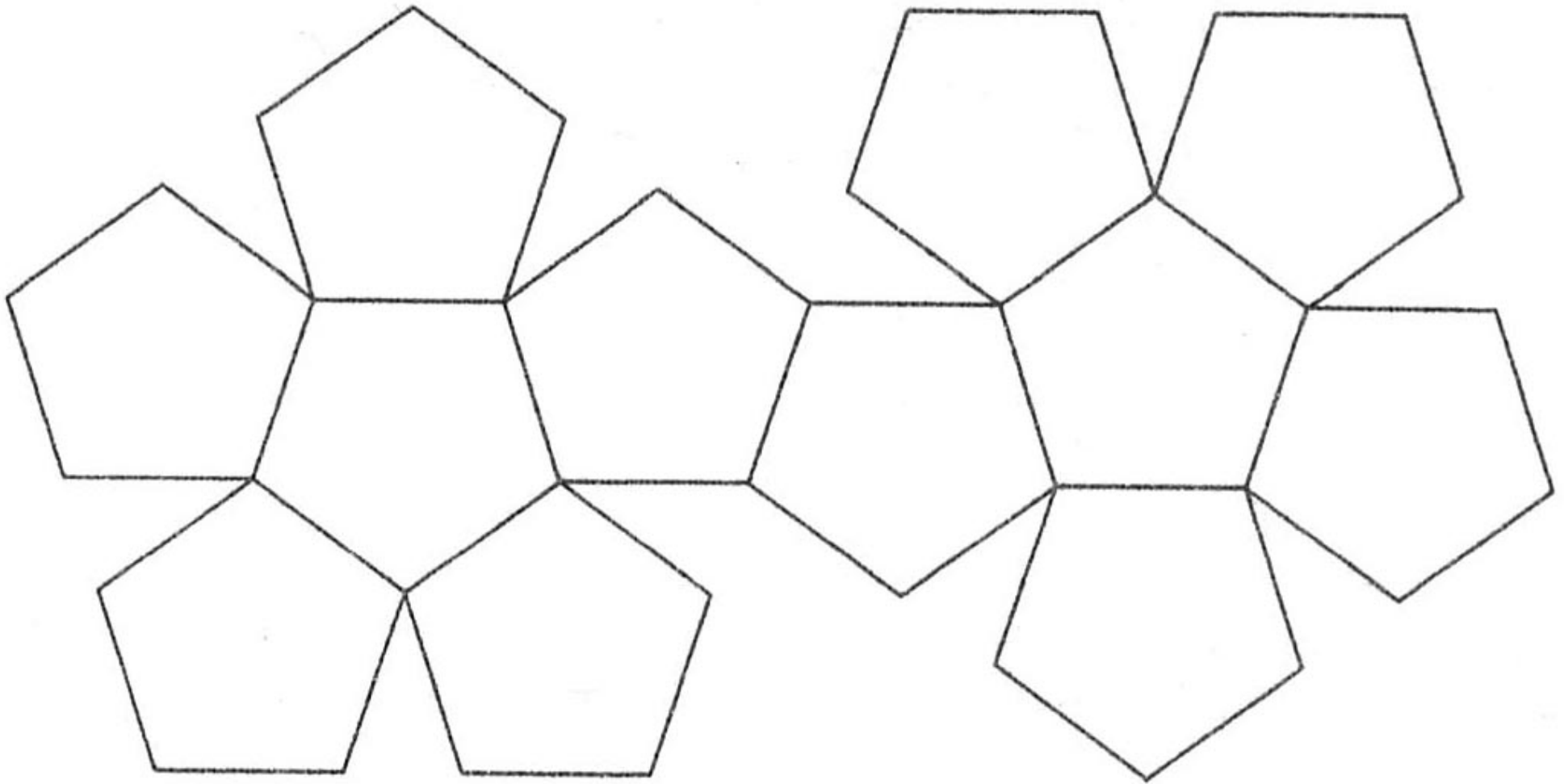
Dodecahedron

Made from: pentagon

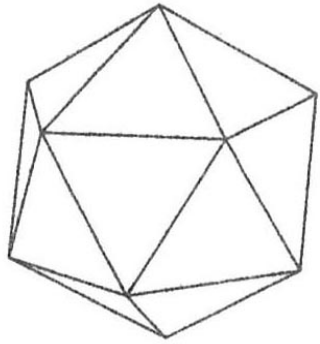
Faces: 12

Edges: 30

Vertices: 20



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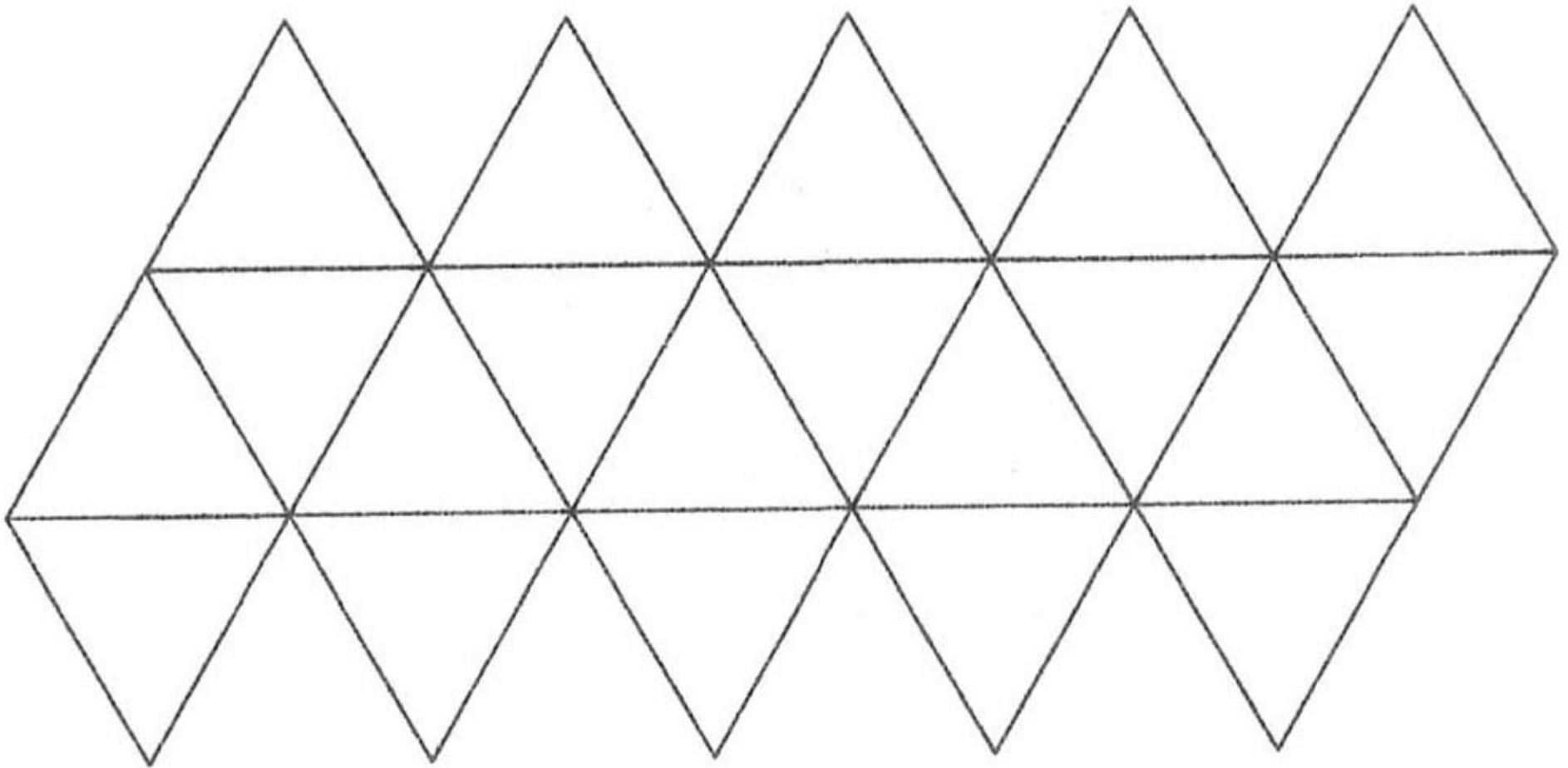
Icosahedron

Made from: triangle

Faces: 12

Edges: 30

Vertices: 20



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