

Symmetries of the Platonic Solids

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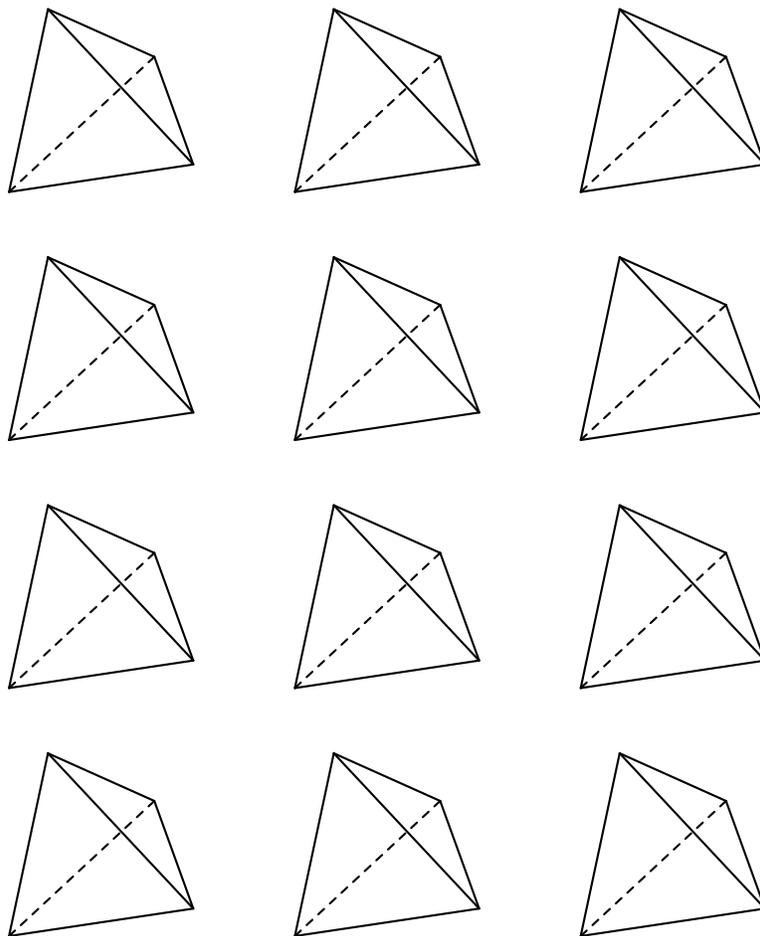


Figure 1: For each of the twelve rotational symmetries of the tetrahedron, determine its action on the vertices.

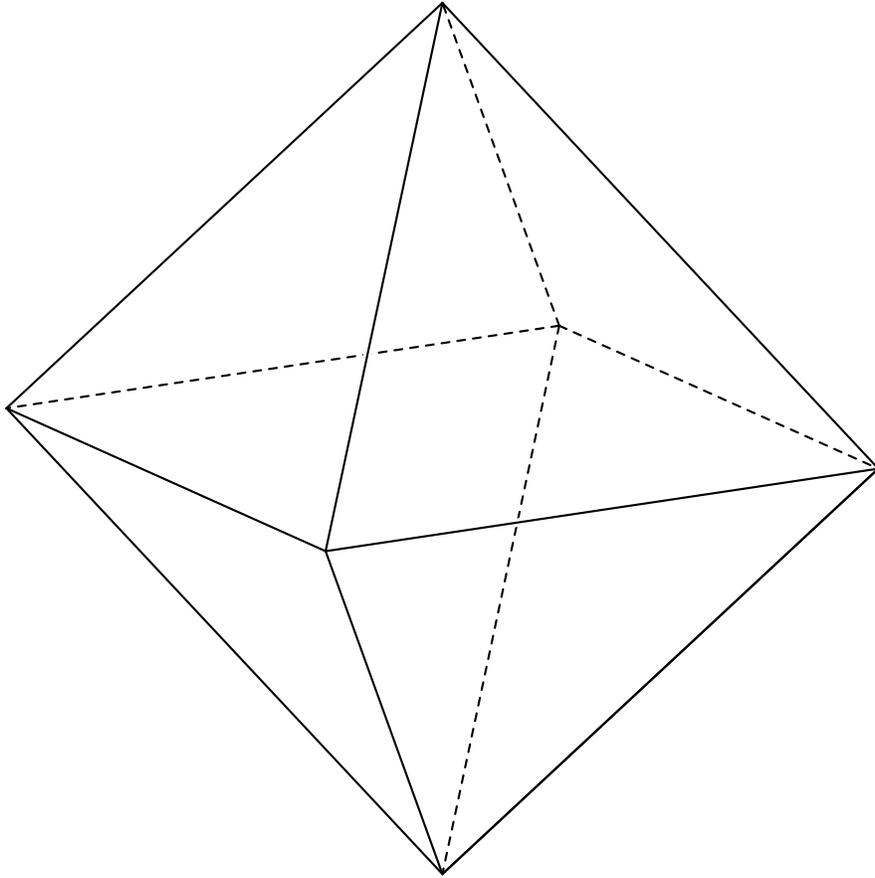


Figure 2: The octahedron

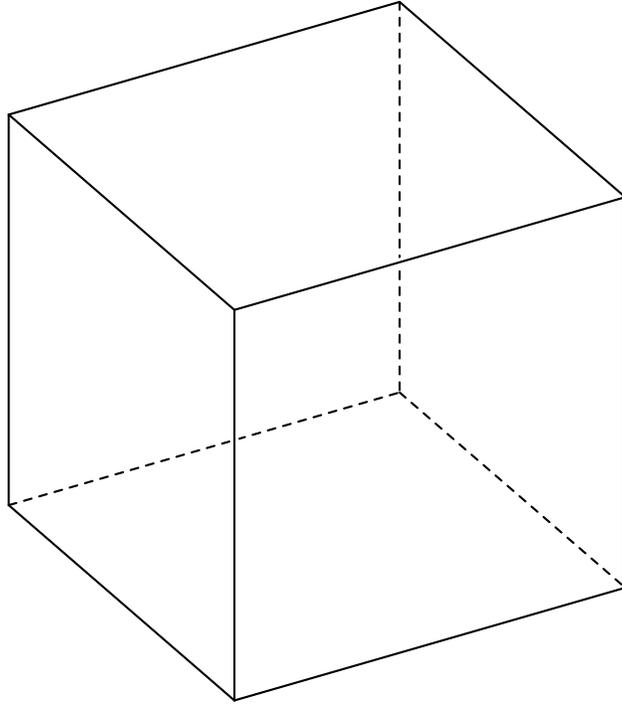


Figure 3: The cube

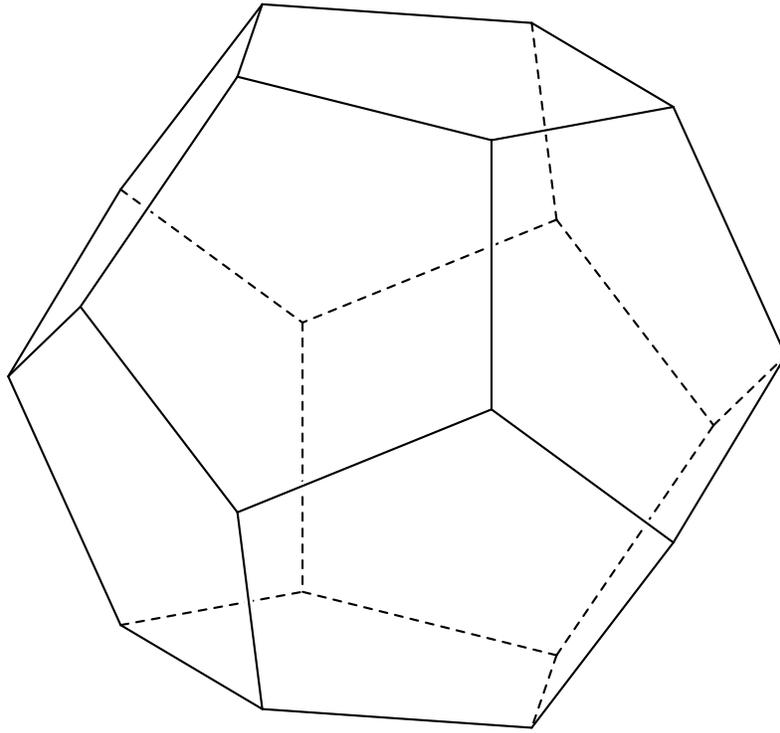


Figure 4: The dodecahedron

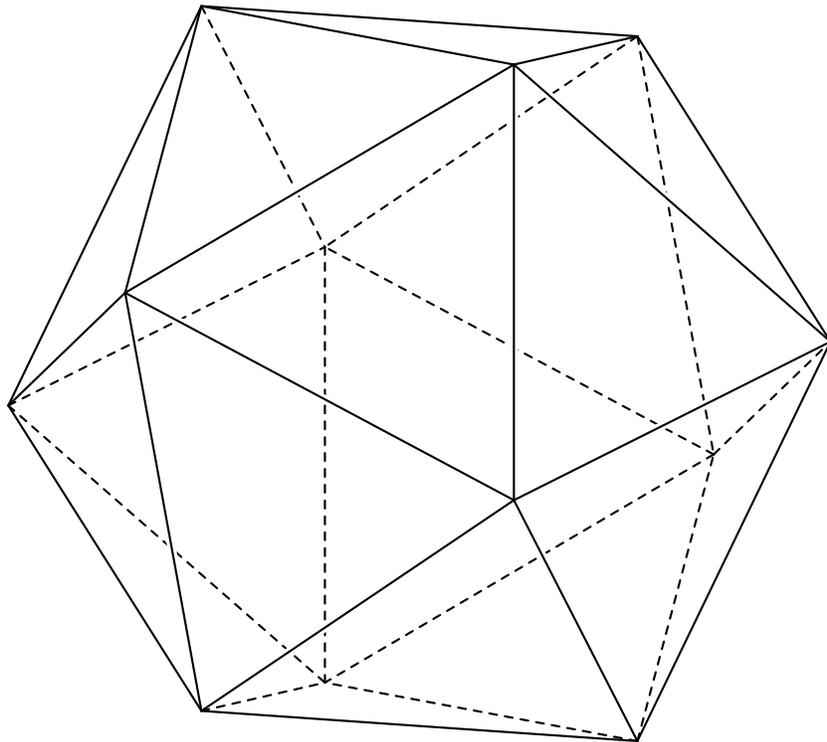


Figure 5: The icosahedron