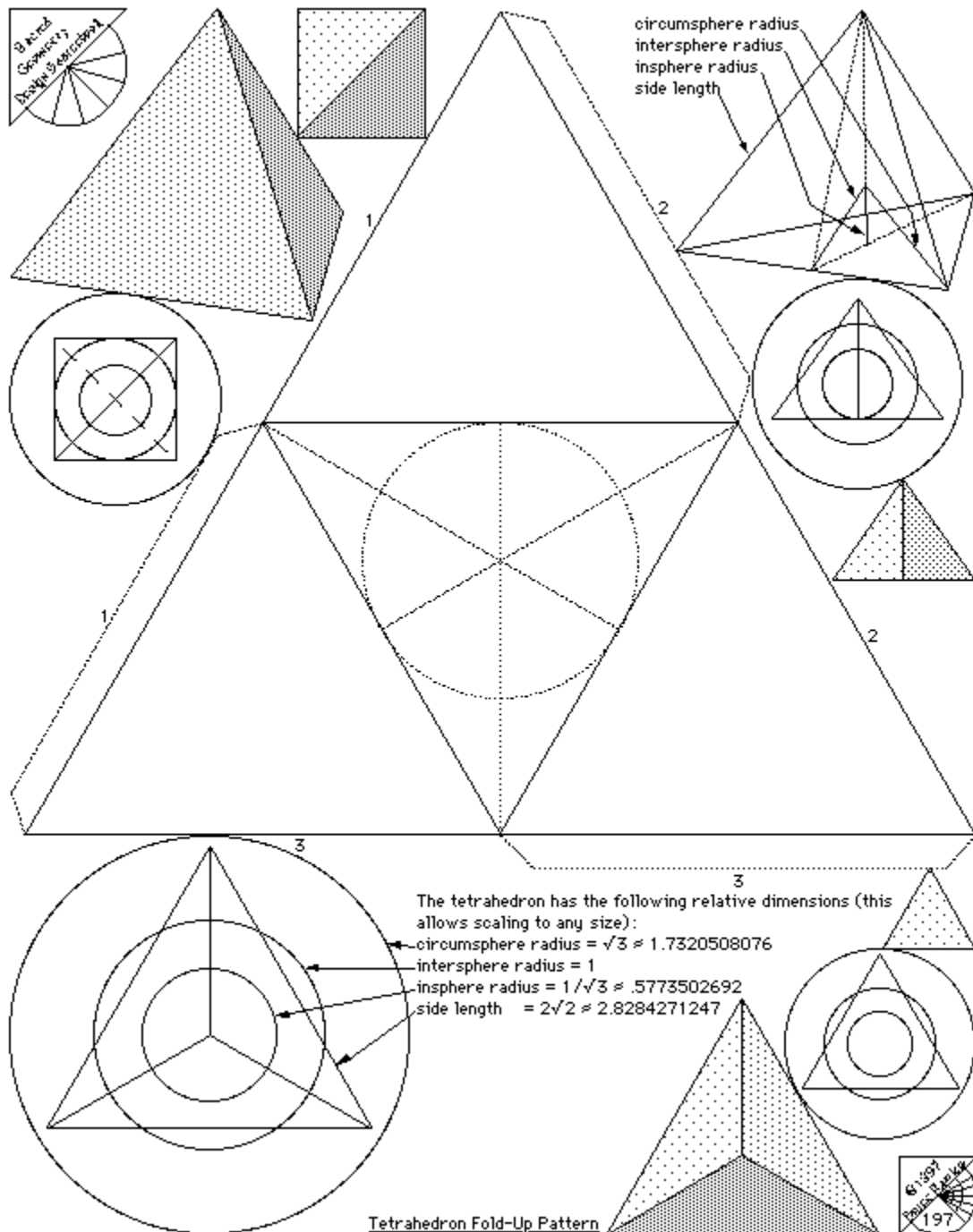
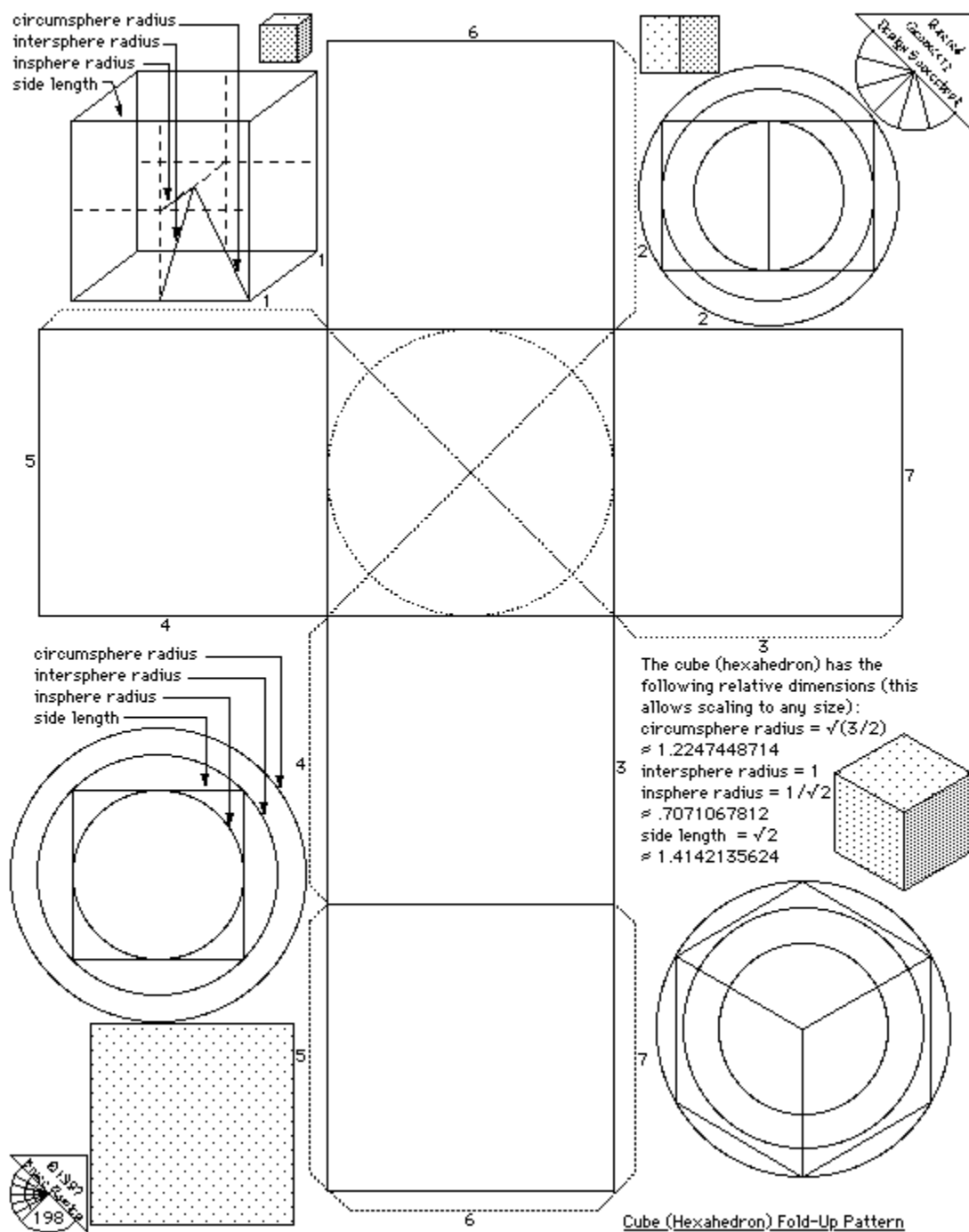


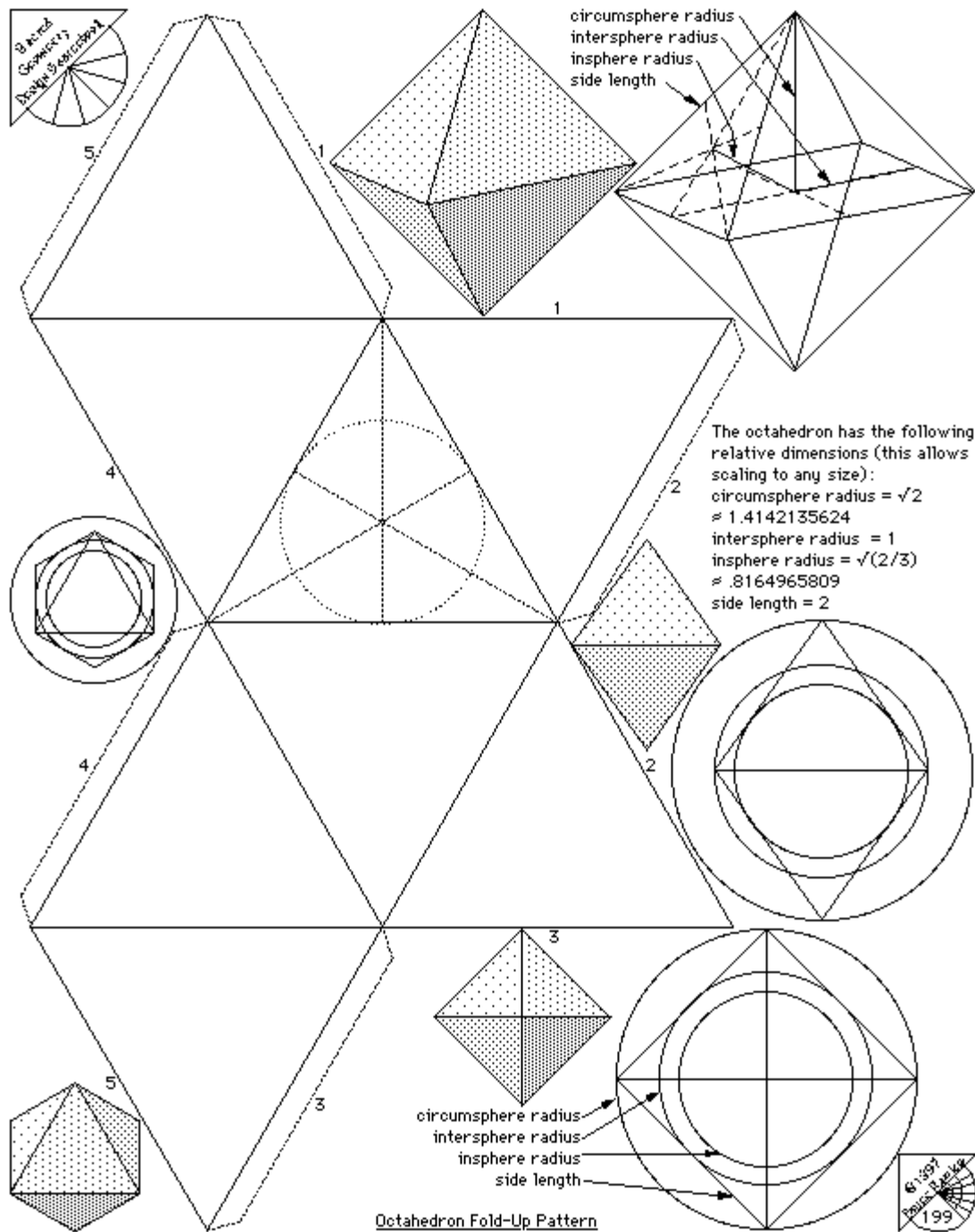
Platonic Solid Fold-up Patterns

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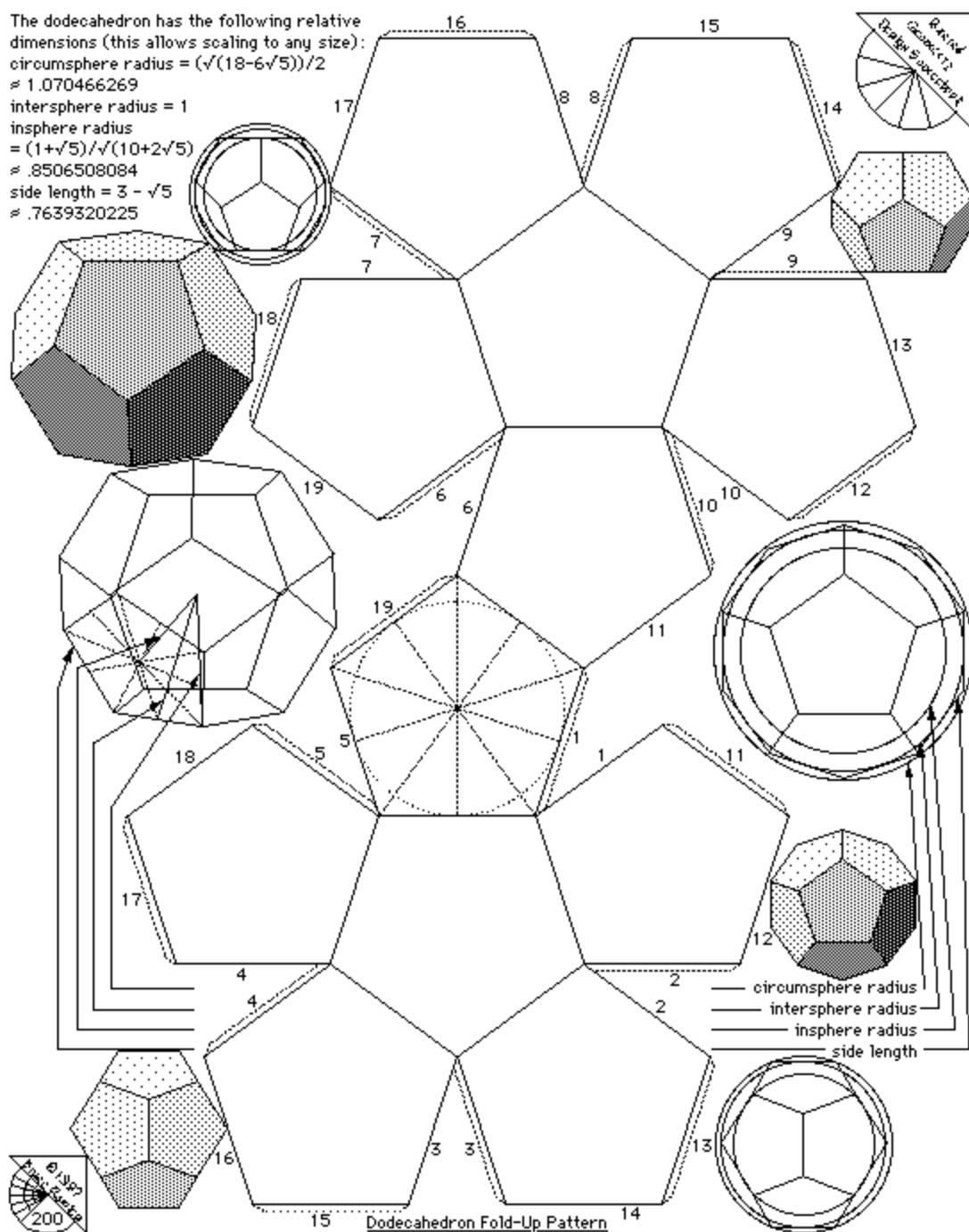
- [The Tetrahedron \(4 sides\)](#)
- [The Hexahedron \(a.k.a cube, 6 sides\)](#)
- [The Octahedron \(8 sides\)](#)
- [The Dodecahedron \(12 sides\)](#)
- [The Icosahedron \(20 sides\)](#)





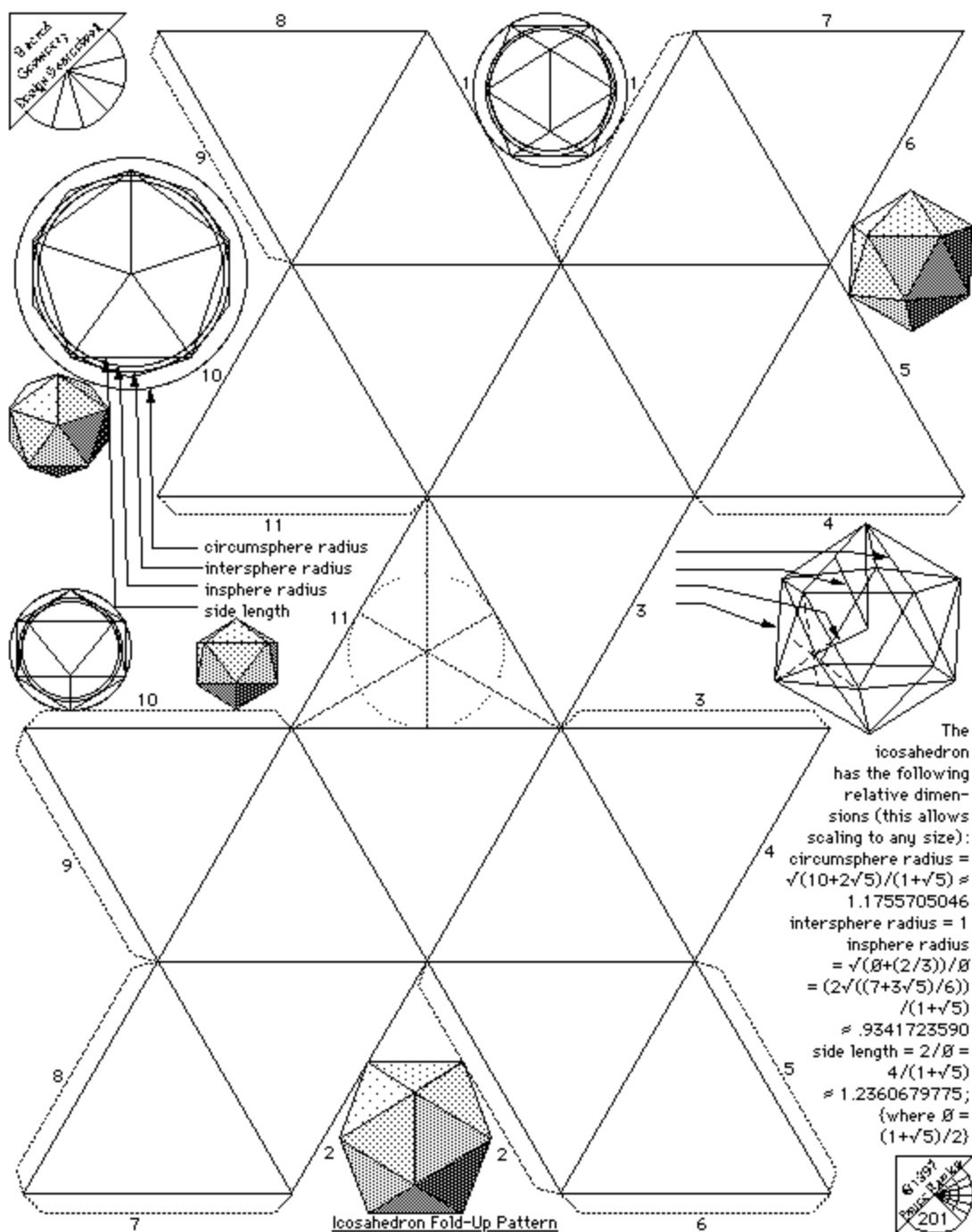


The dodecahedron has the following relative dimensions (this allows scaling to any size):
 circumsphere radius = $(\sqrt{(18-6\sqrt{5})})/2$
 ≈ 1.070466269
 intersphere radius = 1
 insphere radius = $(1+\sqrt{5})/\sqrt{(10+2\sqrt{5})}$
 $\approx .8506508084$
 side length = $3 - \sqrt{5}$
 $\approx .7639320225$



Dodecahedron Fold-Up Pattern





<http://www.intent.com/sg/platonics.html>

Updated 6 September 1998

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