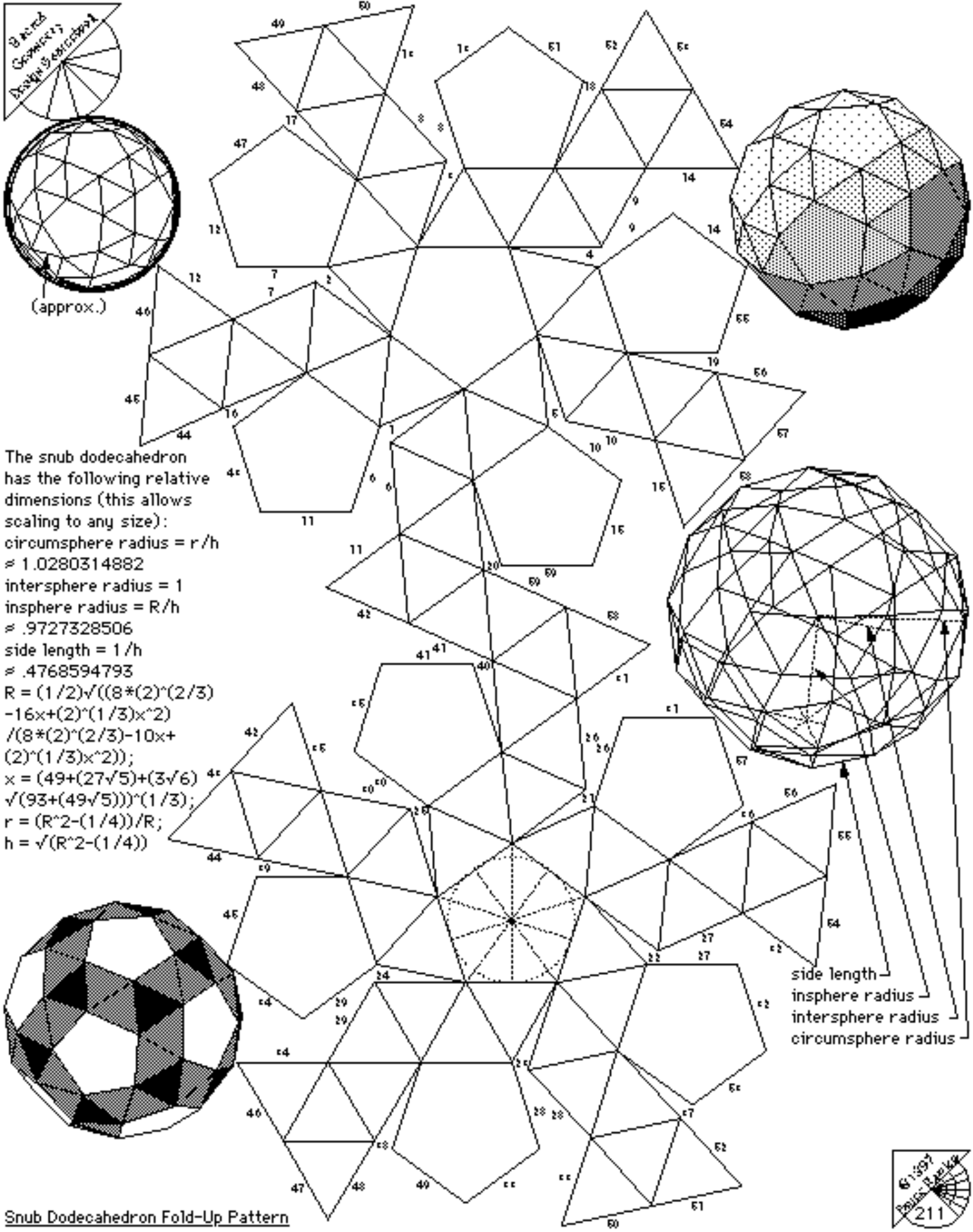


The snub dodecahedron has the following relative dimensions (this allows scaling to any size):

circumsphere radius = r/h
≈ 1.0280314882
intersphere radius = 1
insphere radius = R/h
≈ .9727328506
side length = 1/h
≈ .4768594793
R = (1/2)√((8*(2)^(2/3)
-16x+(2)^(1/3)x^2)
/(8*(2)^(2/3)-10x+
(2)^(1/3)x^2));
x = (49+(27√5)+(3√6)
√(93+(49√5)))^(1/3);
r = (R^2-(1/4))/R;
h = √(R^2-(1/4))

Snub Dodecahedron Fold-Up Pattern