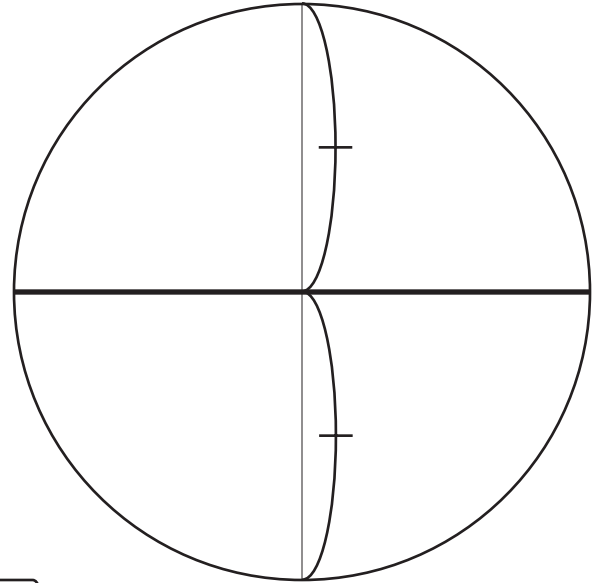
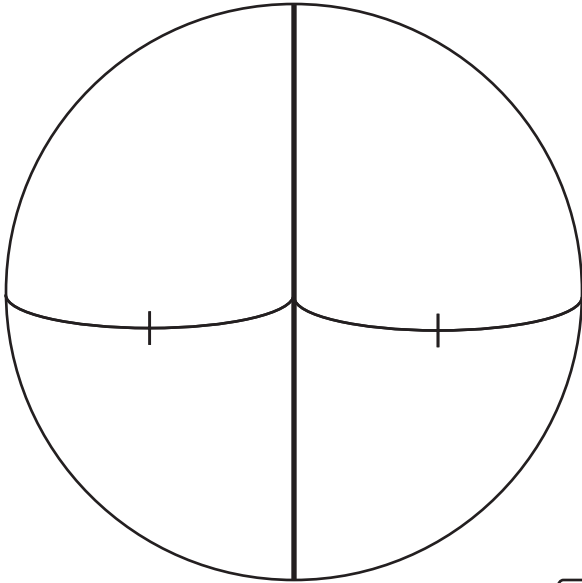
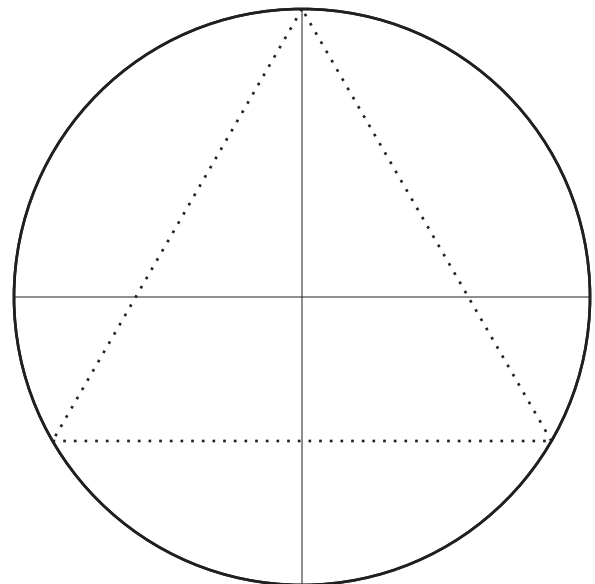
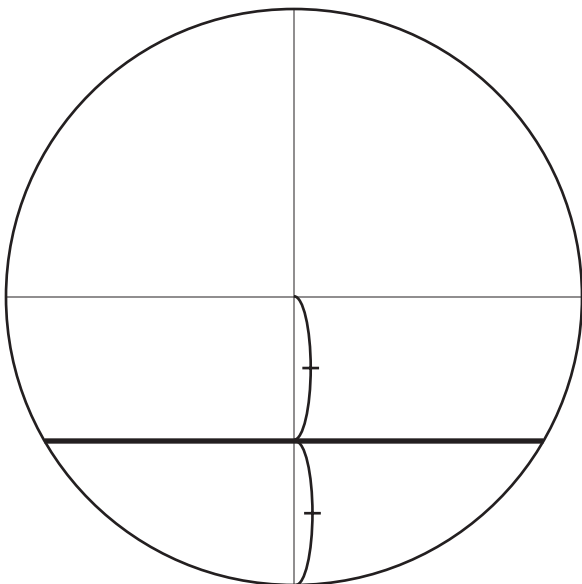


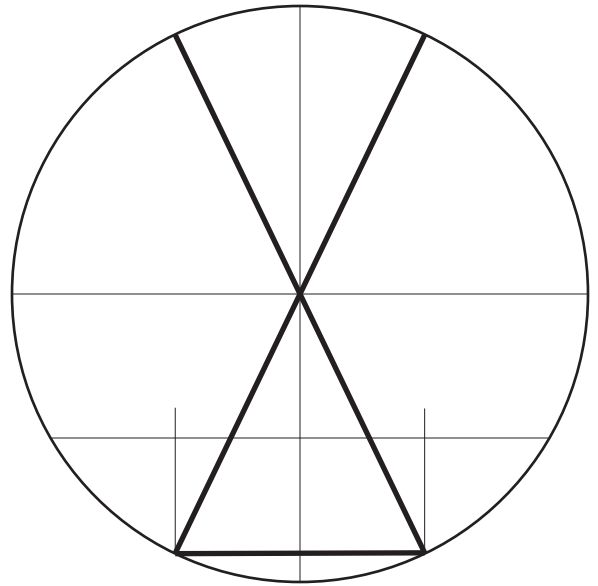
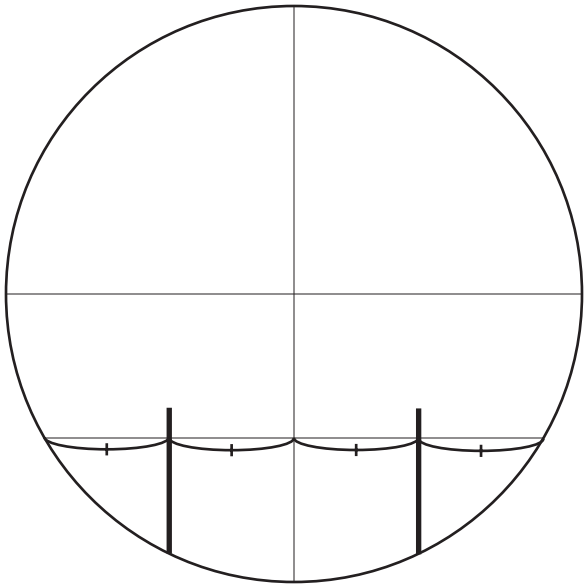
Heptagon from a Circle SCP



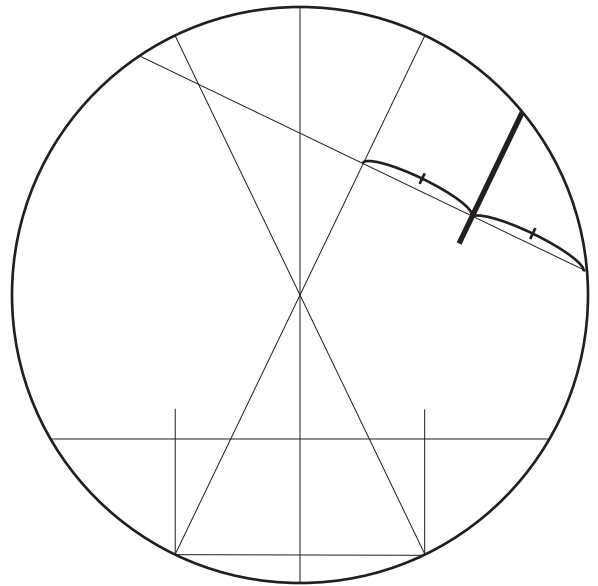
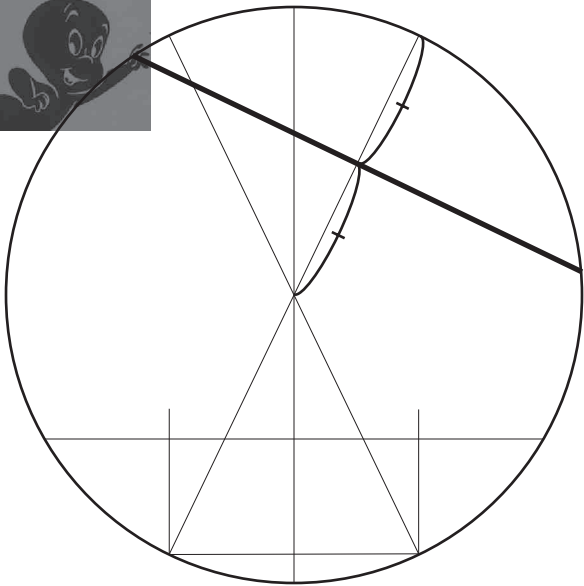
1	2
3	4

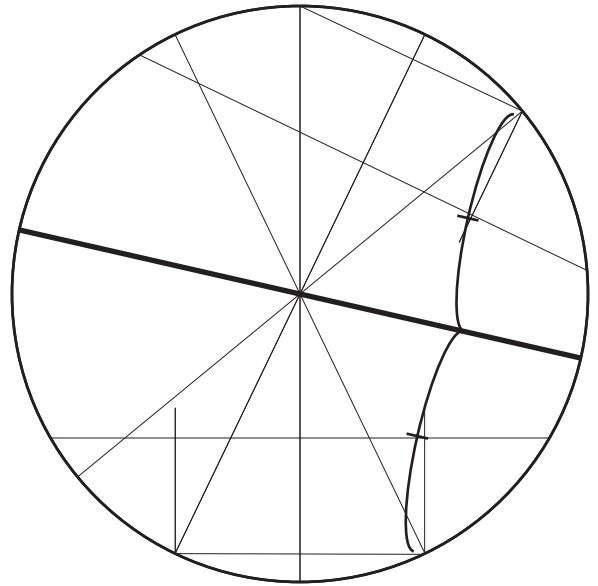
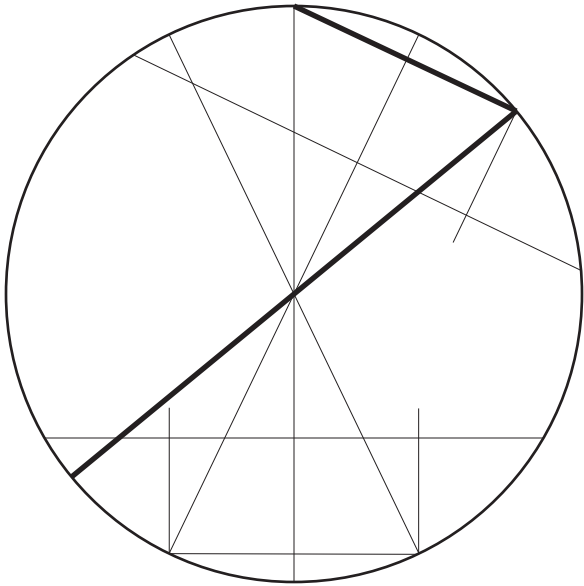


Imaginary Equilateral Triangle.
It's all in your head.

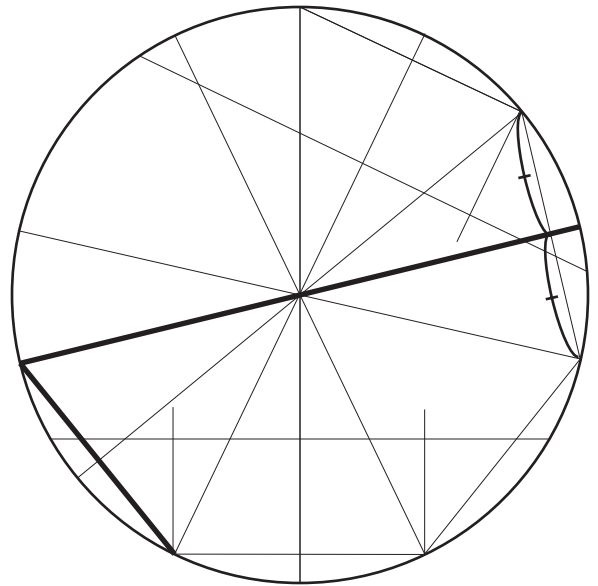
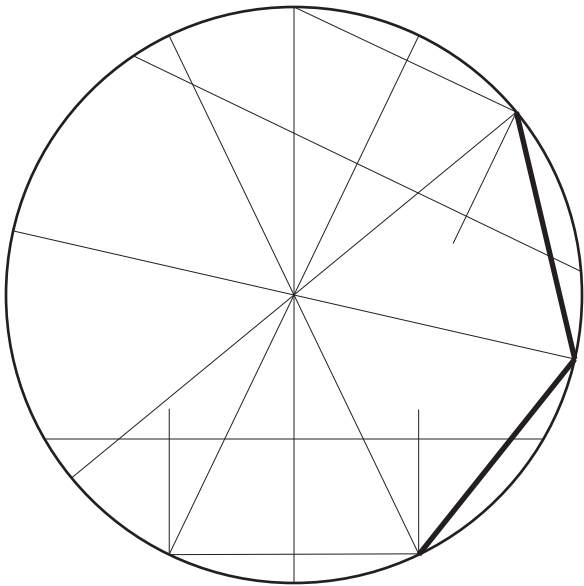


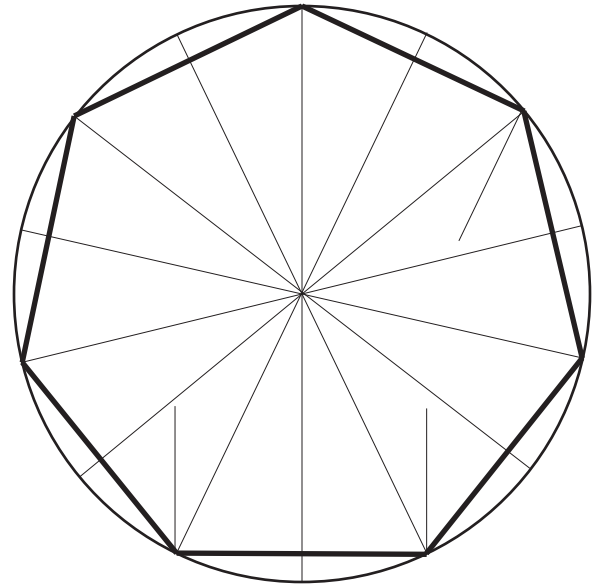
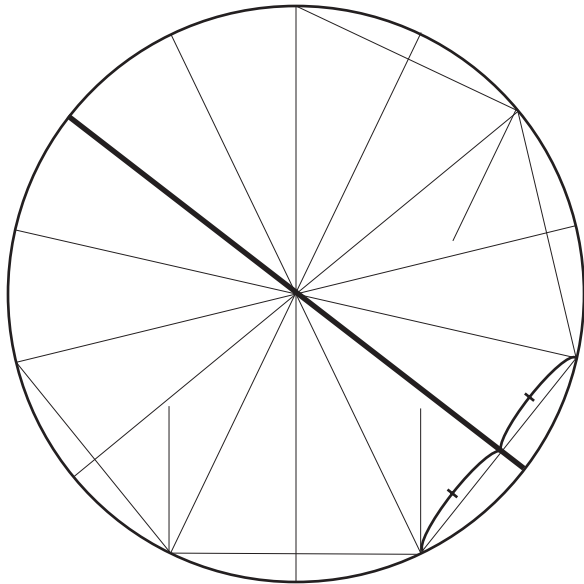
5	6
7	8





9	10
11	12





Ta da! Heptagon!

13 14

15 16



But wait, you say - is this elegant?

Uh, no - no, it's not. In fact, the sides here are off about $\frac{3}{4}$ of a per cent from what they should be. You *can* make an elegant heptagon, but it will take about fifty more steps and fourteen is kind of stretching it with my attention span.

Heptagons are **hard** - Bankoff and Garfunkel said, "since the earliest days of recorded mathematics, the regular heptagon has been virtually relegated to limbo" ("The Heptagonal Triangle." *Math. Mag.* 46, 7-19, 1973). But the difficulty of constructing them is outweighed by the beauty of the shape. Anything you make after this is beautiful of an inelegant necessity.

We must give a shout out to Miranda Lundy of Penzance (surely, a pen name), whose **Sacred Geometry** (ISBN 0-8027-1382-3) gave me most of this method, by way of medieval masons, I should guess.

Rock on.

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That means you can fold this model, copy this document and give it away, teach this model to as many people as you care to, develop the idea into new models, and many other things you and I haven't thought of, yet.

What you can't do is make money off of it without making appropriate sacrifices upon the altar of my vanity. Unmarked twenties, preferred. And you must ask first.

Questions? You can always contact me through my website, <http://origami.oschene.com> There's an email script in the sidebar.

Philip Chapman-Bell, Northampton, MA, USA

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