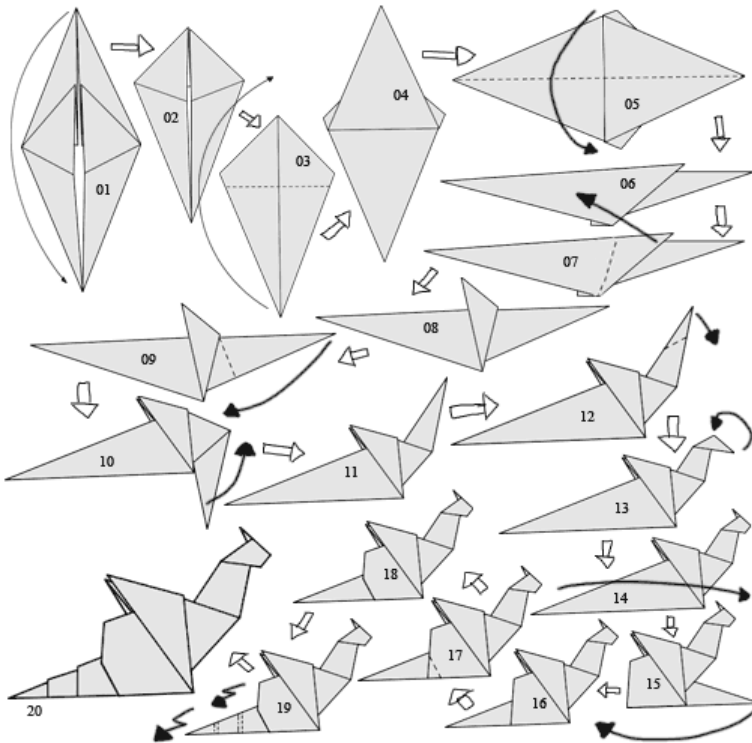


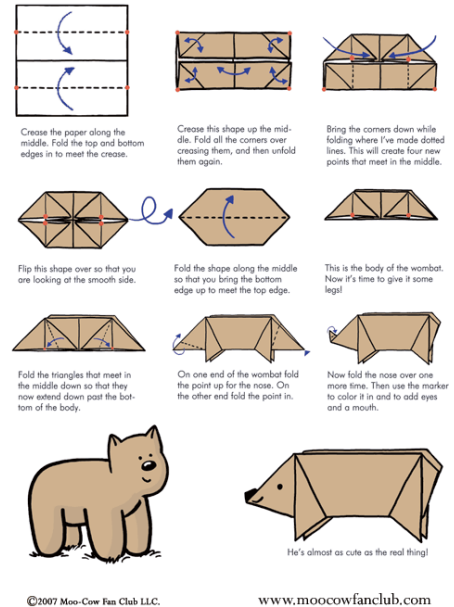
3. [3] (Lang) Identify what the origami symbols below mean.



4. [4] (Lecture 4/25) Identify the base each of the origami directions below make use of.



F.W.'s Origami Wombat



5. [5] (viHart video 4/2) Explain *carefully* how to make a 22.5° “angle-a-tron” in a Patty Paper worksheet setting. That is, explain how you can build an angle of 22.5° using only patty paper, a pencil, your sense, and logic.

10. Consider the diagram on the right.
Show your work and find:

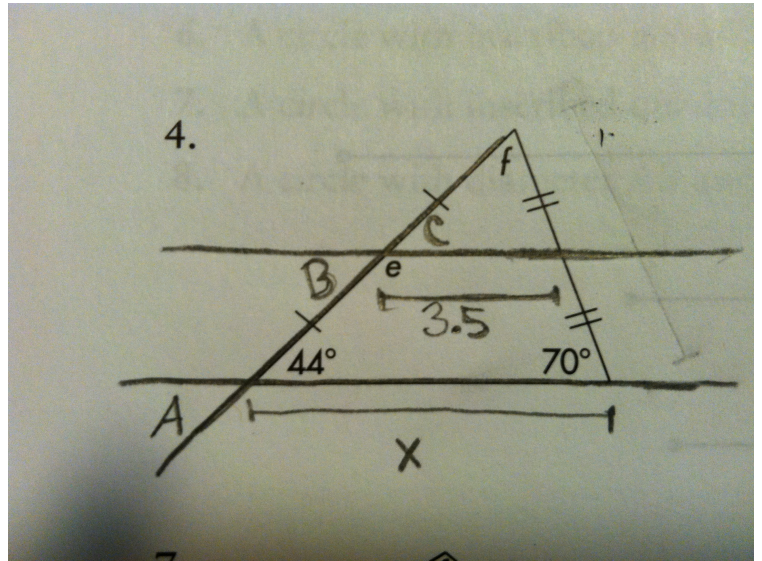
(a) [1] a pair of alternating exterior angles,

(b) [1] the measure of $\angle E$,

(c) [2] the measure of $\angle F$,

(d) [1] a pair of similar triangles,

(e) [2] the measure of side x .



11. [10] Consider a standard 8.5" by 11" sheet of notebook paper. Identify the lower right hand corner of these piece of paper with a point/label A . Define the Turned-Up Part, (or TUP) as the part of the back side of the paper that becomes exposed when folding point A to meet another point B (that may or may not be on the paper).

Find an answer to the question "How can we tell how many edges a TUP will have *before* we fold the paper?"

Treat this is as a patty paper exercise so use paper(s), a pencil, and a calculator.