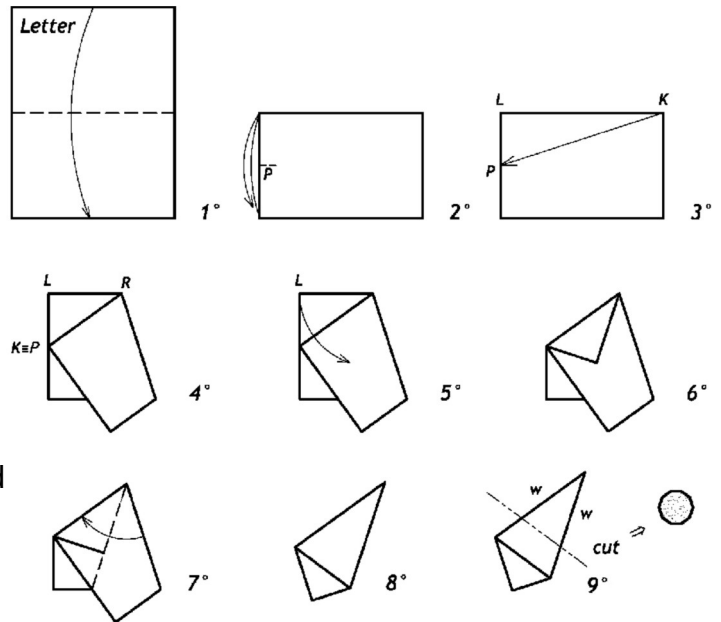


# Making a Lucy Snowflake

## How to fold a Decagon

Starting with Letter Paper

- 1) Fold your paper in half and crease
- 2) Fold it in half again just to mark the midpoint (P), unfold
- 3) Take the far corner of the folded side (K) and fold it to point P
- 4) Crease well
- 5) Fold the remaining corner (L) over, along the edge you just folded
- 6) Crease well
- 7) Fold the remaining flap up (this should line up nicely)
- 8) Crease well, and note that if you unfold it, you can see the distance between the corner at the smallest inner flap (~3.75 in from the corner)
- 9) Cut straight across, making sure that the distance from your cut to the corner is not more than your inner flap ( $w \leq 3.75$  in)
- 10) Get creative and cut pretty designs in the edges. Unfold to see what you made!
- 11) If you want to include the Lucy bus and instrument pointing platform, the total height should be about 4 in and the total width should be about 2 in



*Modified from Petrović & Obradović Fig 3*



Reference: Petrović & Obradović, 2010, "Forming a regular pentagon, decagon and pentagram using origami technique", *Proceedings of the 2nd International Conference for Geometry and Engineering Graphics*, pp. 542-554.