

*Kawasaki Rose folded from Pentagon*

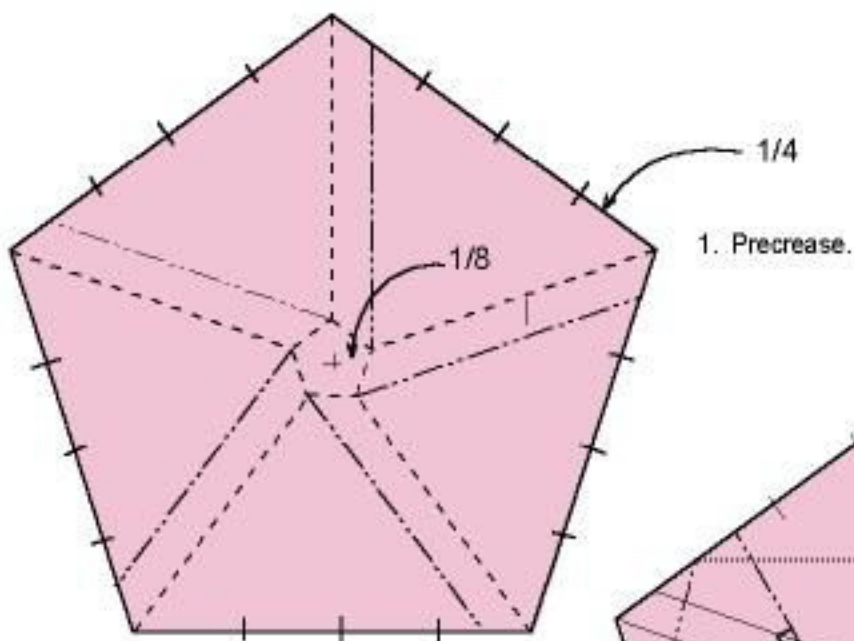


*by Leong Cheng*

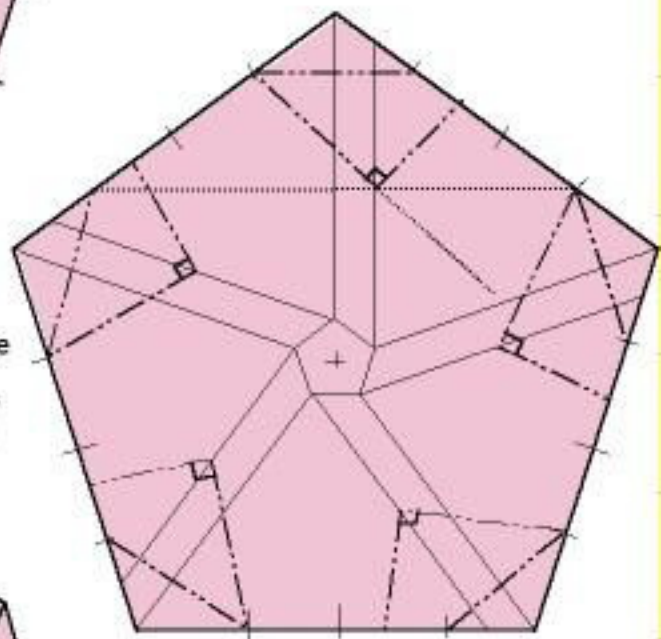


Complex

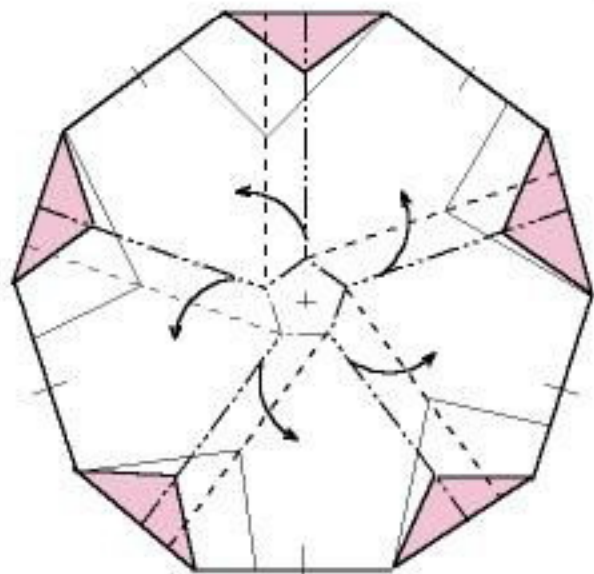
This model is based on the classical Kawasaki Rose. The folding process requires curved surface folding and polyhedron collapsing techniques. Use relatively tough paper like elephanthide. Start with a regular pentagon of sides about 20cm.

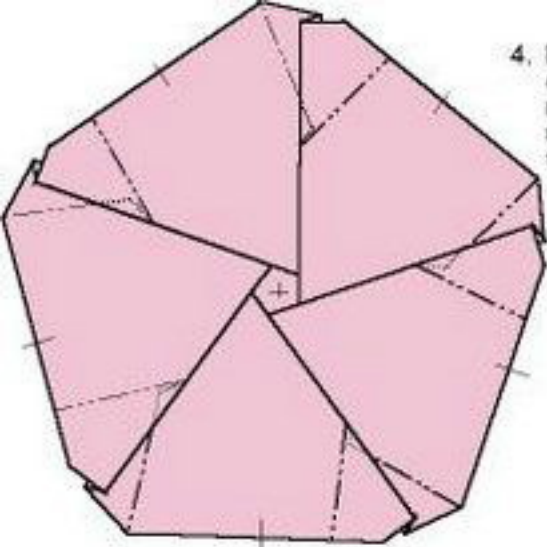


2. Fold back corners and precrease rest of folds. Note positions of points where the mountain folds meet at right angles. Turn over.

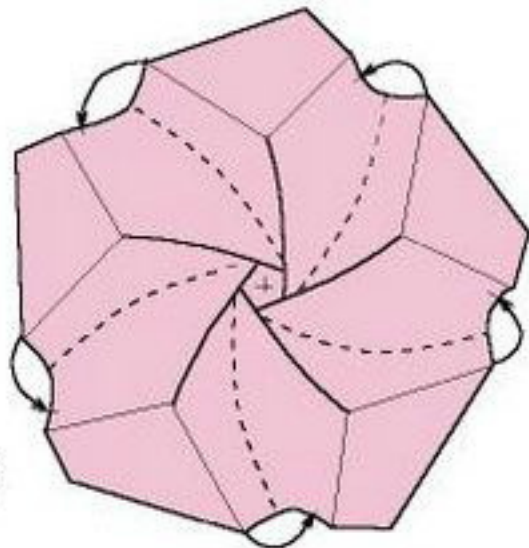


3. Twist fold. Turn over

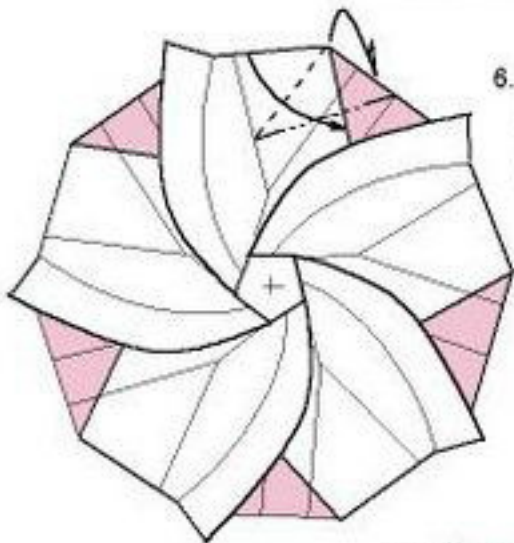




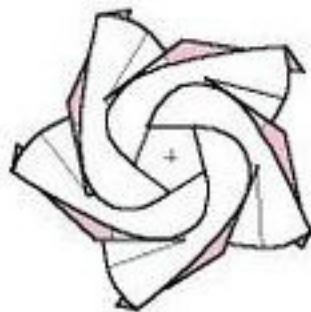
4. Bring up the mountain folds at the edges, and curve the radial mountain folds slightly, opening up the pentagonal hole at the same time.



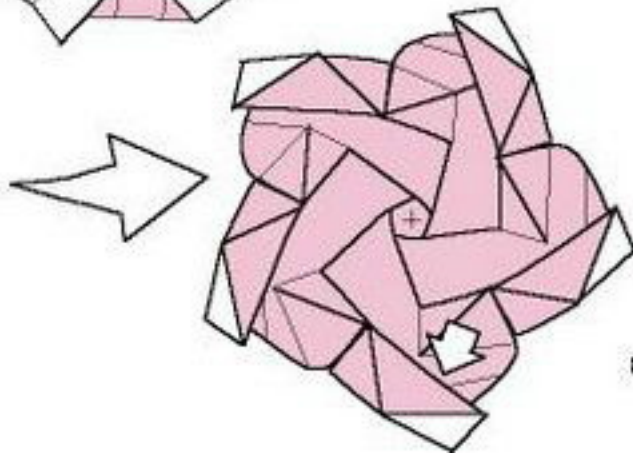
5. Bring corner to mid-point of original side of pentagon. Make curve valley crease. Repeat for other 4 corners. Turn over.



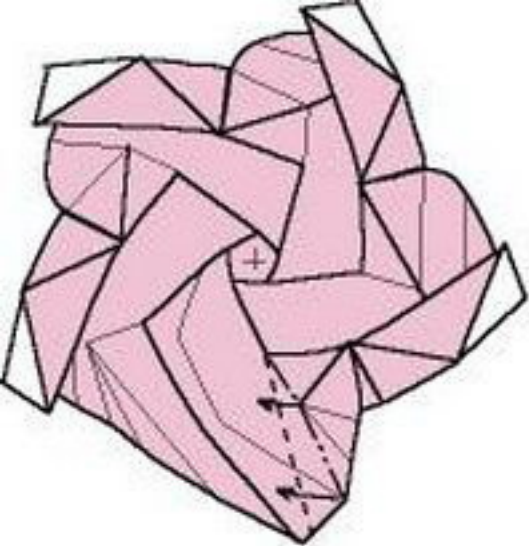
6. Align the edges and bring corner backwards. Repeat for the other 4 corners. The folds should hold together, but use paper clips to hold together.



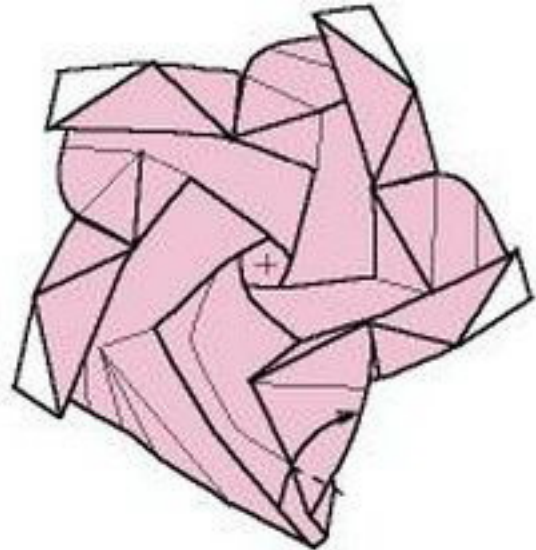
7. Twist the pentagon to accentuate the curved folds. Turn over.



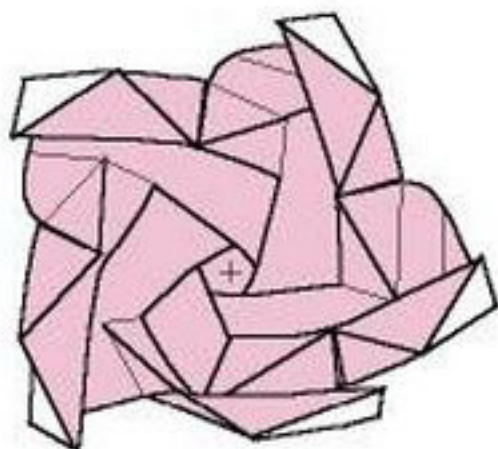
8. Open folds at one corner.



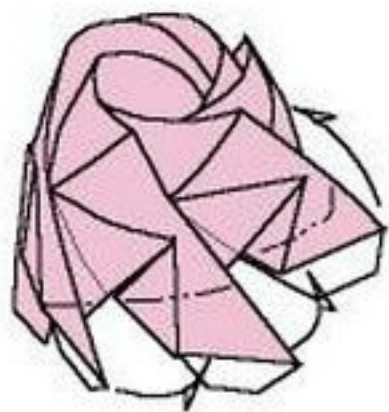
9. Collapse and flatten.



10. Fold back.



11. Repeat Steps 8, 9 and 10 for the other corners. Curve the folds radiating from the centre further, opening the pentagonal hole a little bigger.



12. Tuck in the tip of each flap between the layers of the adjacent flap. Mountain folds are soft.



13. Curl out the tips of the petals.



14. The completed rose.