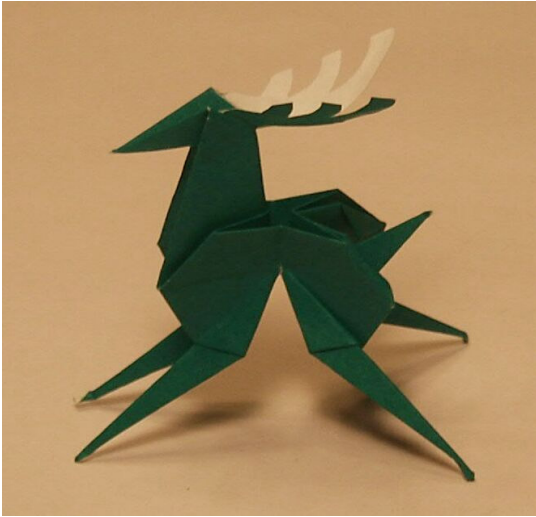


Reindeer



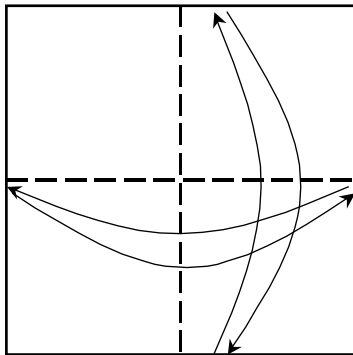
Developed in Dec '03 by Ching-Yu Hung. Adapted from Alice Blumberg's Antelop (pp 86-88, Complete Origami by Eric Kenneway)

This is really Kirikomi, which uses cutting as essential part of the design.

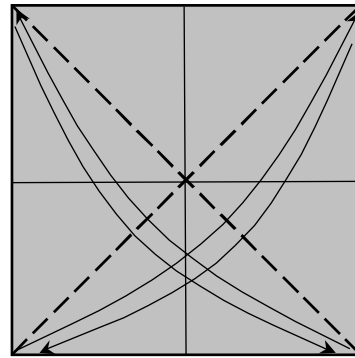
Start with a square piece of paper. If you already know bird base, do that and go straight to step 7.

The side of paper you want on the inside should face up.

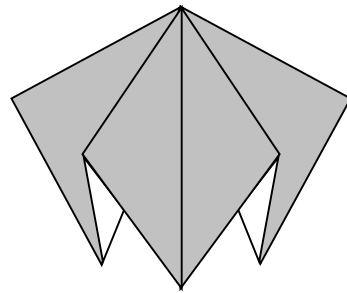
1
Fold in half way horizontally, fold back, then hold in half way vertically, fold back.



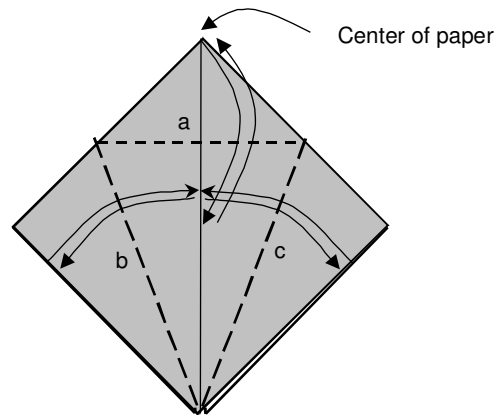
2
Flip the paper over (so the out-side of paper faces up). Fold in half way diagonally and fold back. Repeat for the other diagonal.



3
Reinforce the creases and gather up the 4 corners. Shape it into a diamond. The colored side should be out. This is called the preliminary-fold base.

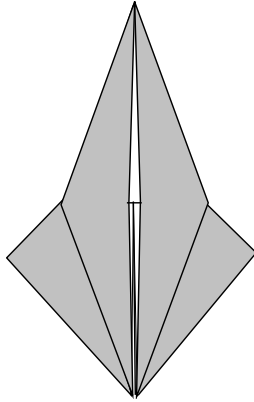


4
Make creases as shown.



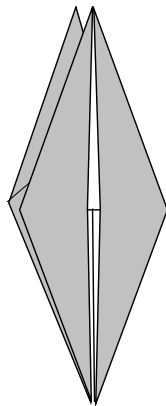
5

Open up the front diamond, reinforce crease line a on the top layer, and fold in the top layer by reversing crease lines b and c. After this, the design should look like:



6

Flip it over and repeat #4 and #5. This is the so-called bird base.



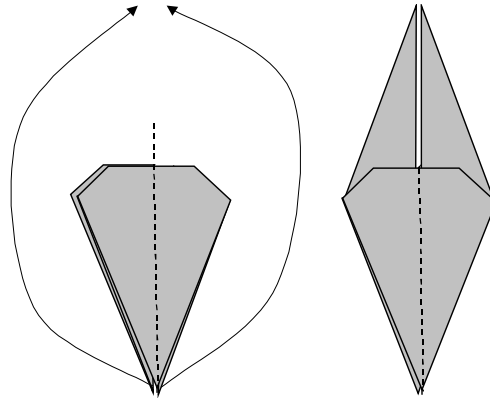
7

Fold down the upper flaps (top layer and bottom layer). Make a crease line as shown, then "sink" the top triangle. You will need to open the paper all the way up, make crease lines (there're 4 after you open up) mountain folds, reverse the fold for the X inside the 4 mountain folds, then put back the birdbase with the center of the paper sunk inside.



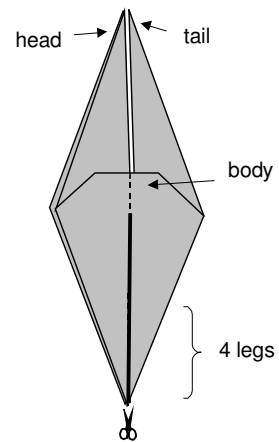
8

Fold the left and right flaps up.



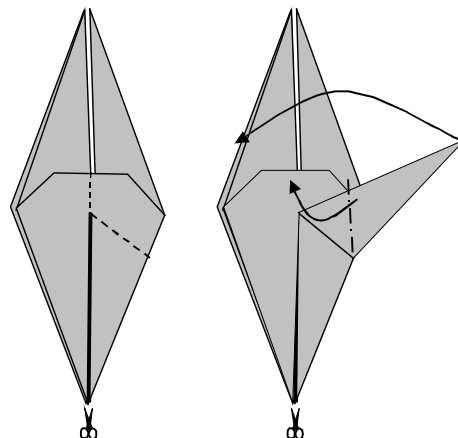
9

Make cuts in both top and bottom layer of the lower half of the design. Identify parts of the deer.

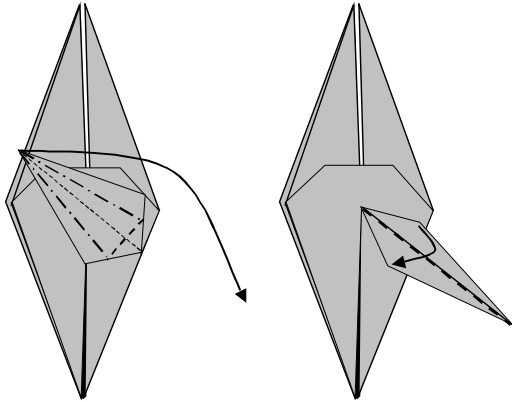


10

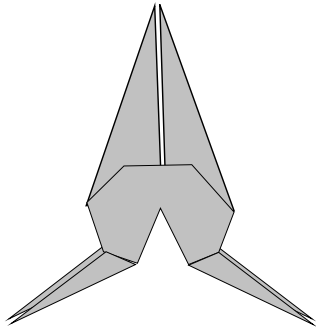
Make the valley fold on one leg, as shown, then open and flatten it (squash-fold).



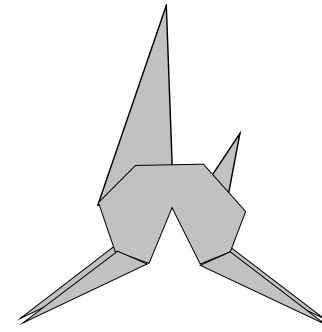
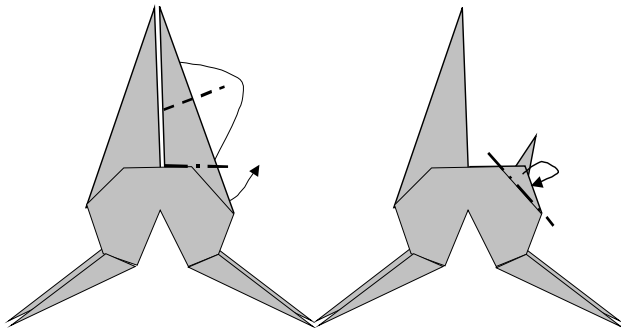
11
Make the mountain and valley creases as shown, open up the leg-flap, enforce the creases, and sharpen/flatten the leg. This is called petal fold.



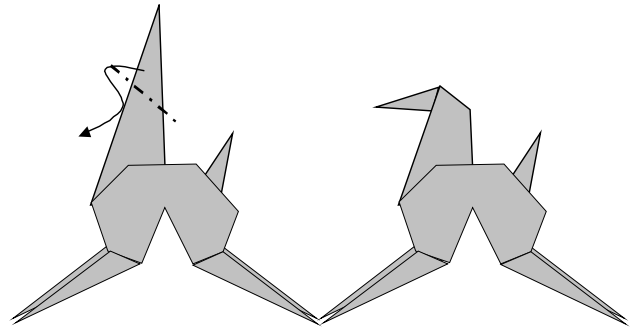
12
Repeat #10 and #11 on the three other legs. Eventually you should see.



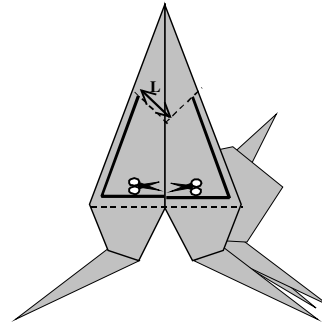
13
Fold the tail with the successive inside reverse folds. Then, tuck in the extra flaps on the hips.



14
Do an inside reverse fold to form the head.

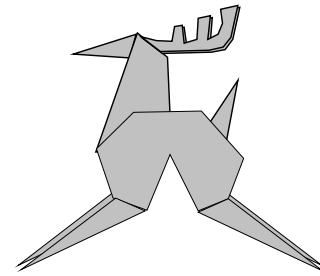
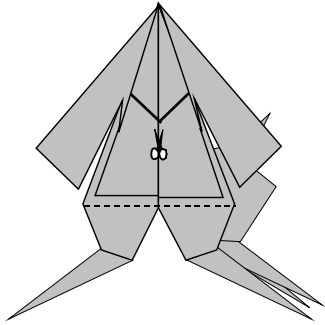


15
Open up the front of the deer. Cut carefully along the lines shown **on the top layer**. Note the length of the uncut section of the neck/head fold line, L. The two cutout flaps will form the antlers.



16

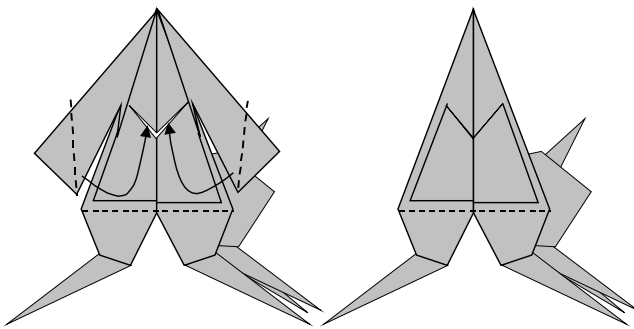
Open up the antler flaps. Cut along the V-shape head/neck fold line as deep as L. You should pinch the whole top piece back along center line, so you can cut both segment of the V at the same time. Be careful not to cut too deep, or the deer head will disconnect.



Done!

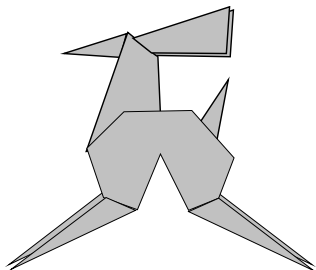
17

Temporarily fold the antler flaps to make them narrower. Thread each into the V cut to the other side. Be careful not to tear out the head.



18

Restore the head/neck fold. The antlers should be where they're supposed to be.



18

Cut the details of the antlers. Hold both antler pieces tight and cut them together. You can use your own design. This is what I do.