HOW TO MAKE A HEXAHEXAFLEXAGON

When making your hexahexaflexagon, print on the thinnest paper you can, and, if possible, try to print the template on oversized paper to make it easier to assemble and flex.

Turn model over here and fold left side down and behind right side, as shown by the dotted lines.

Fold bottom section up and away from you, as shown.
NOTE THAT THE LAST BLACK TRIANGLE GOES IN FRONT OF THE PURPLE TRIANGLE ABOVE!

USING A PENCIL, DRAW AN "X" ON THE GREEN TRIANGLE AS SHOWN, THEN BEND IT AWAY FROM YOU.

TURN MODEL OVER, GLUE THE GREEN TRIANGLE TO THE WHITE TRIANGLE, AND YOUR DONE! (USE STRONG GLUE OR TAPE!) THE "X" YOU DREW WILL COME IN HANDY TO SEE WHERE YOU ARE IN YOUR FLEXING.

TO FLEX YOUR MODEL AND FIND MARTIN GARDNER'S FACE, PRESS IN AT THE THREE 'A' CORNERS AS SHOWN ABOVE. (NOTE: YOU CAN ALSO FLEX BY PUSHING IN THE "B" CORNERS TO REVEAL A DIFFERENT FACE (!), BUT THIS ONLY WORKS WITH SOME OF THE FACES OF THE HEXAFLEXAGON.)
The hexahexaflexagon has six faces. We haven’t shown you all the possible paths, but this will get you started. Try making your own map of all the possible paths!