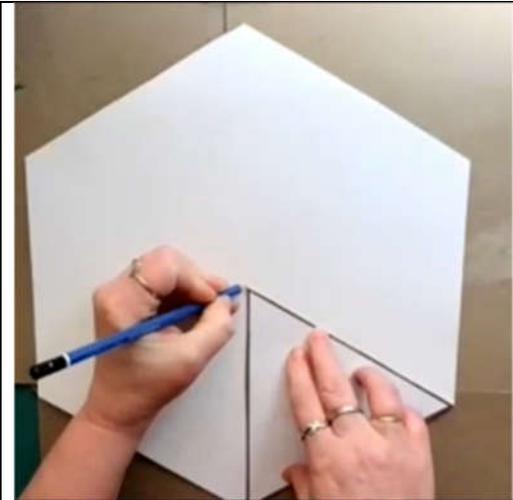
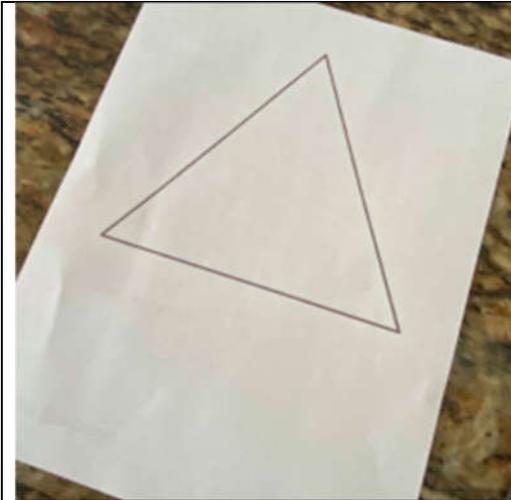


Hexagon String from HK Tangler for your Inktober pleasure! This doc is a tool to be used WITH my video at <https://vimeo.com/613490773>. Don't try to draw the string with just the doc.



1) Print out the PDF* as large as you are able. You may need to adjust your printable margins. My triangle is about 6.75 inches per side. *You can email me for the template at heidi@hktanglerczt.com.

2) Glue the entire sheet to a piece of cardboard or cardstock

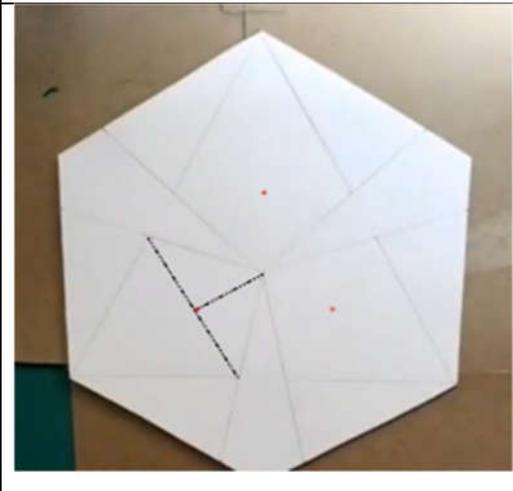
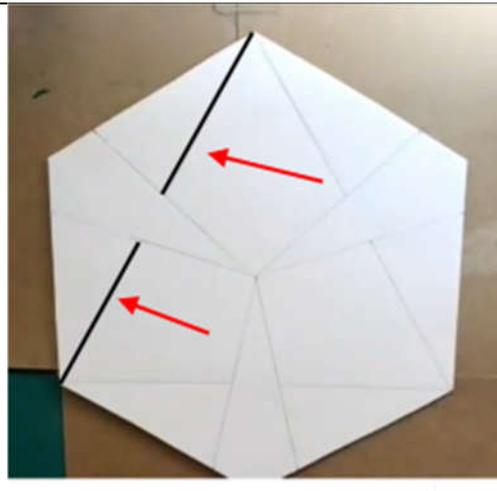
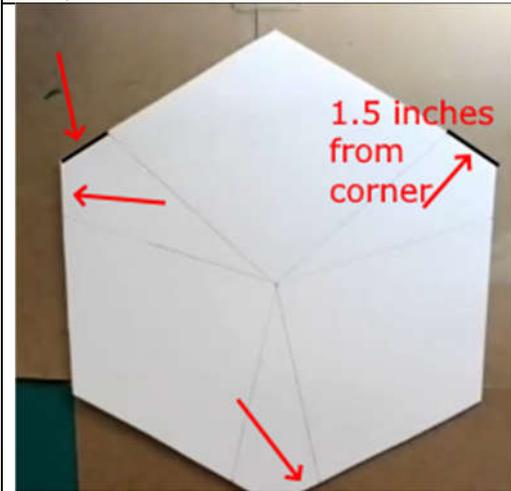
3) Cut out the triangle to make a template

4) Lay your triangle out in the center bottom of your pad of paper. I have a 12x16 pad. Check to see that the side you want to tangle on is face DOWN.

5) Trace the triangle and then move the triangle successively around the page until you have created a hexagon.

6) Cut it out, Flip it over.

7) Mark the center of your Hexagon using your template.



8) Set up to draw "fan blades by marking 1.5" from the corner on both sides of three corners (1.5 is for large 11+ inch tile!)

9) Repeat step for both other triangles with marks

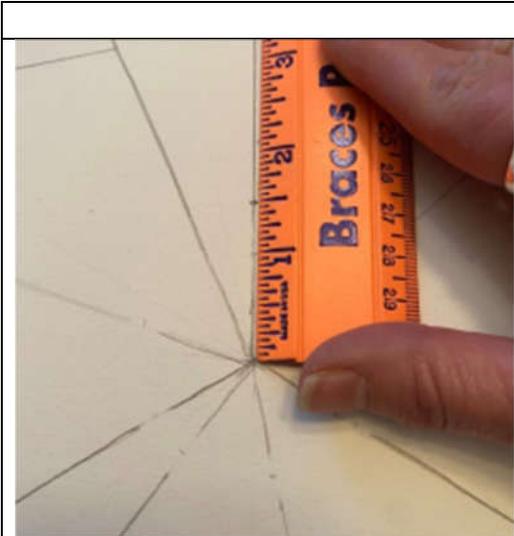
10) Draw three lines across the width of the hexagon, hovering over the center triangle perpendicular to the corners with the 3 fan blades.

11) Rotate and do the same thing for the two other triangles

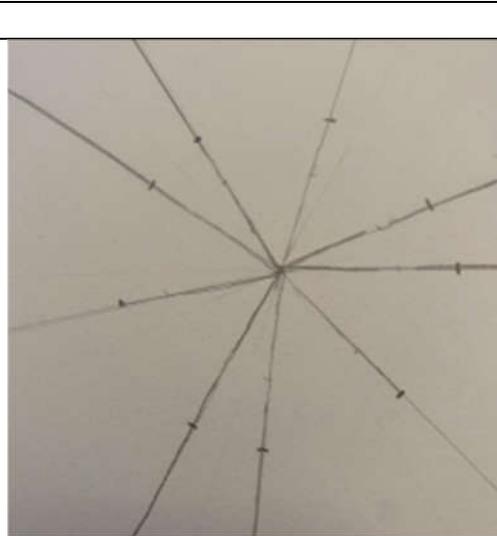
12) Using a straight edge, find the center of the 3 kite shaped pieces and mark a dot. Do not draw the rule lines. They are here in the pic only for guidance

13) Rotate and do this with both other triangles.

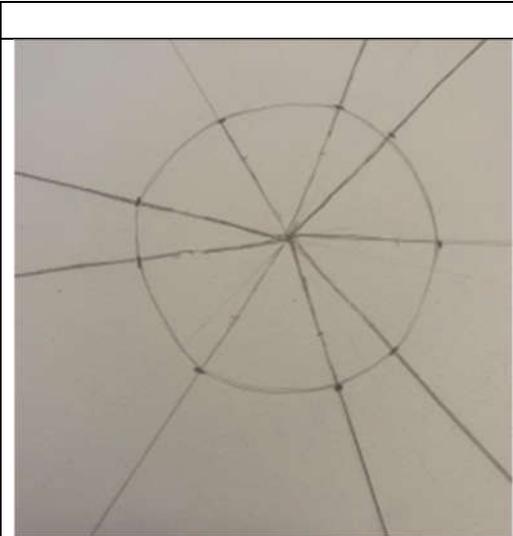
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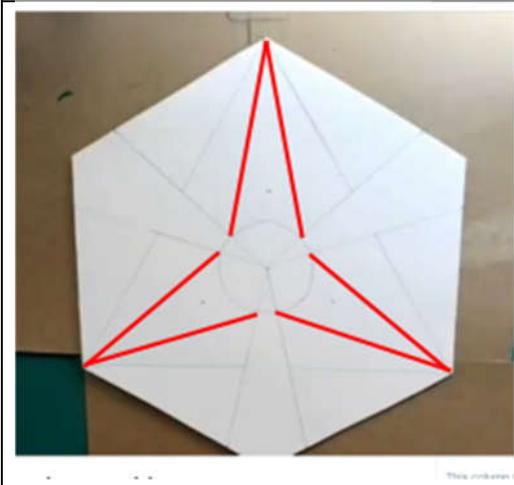
14) Mark 1.5 inches from center



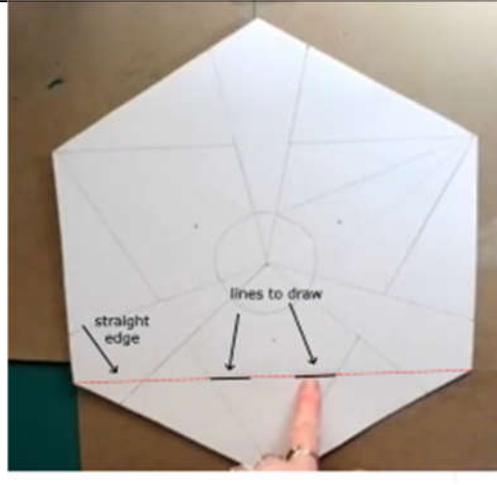
15) Do this all around



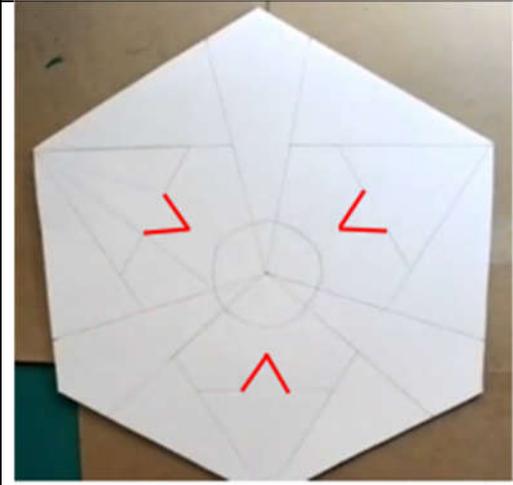
16) Connect the dots to make a circle. Feel free to clean it up and make it more fluid, erasing the tick marks



17) Draw steep cones by connecting the corners to the spot where the "fan blades" intersect with the circles

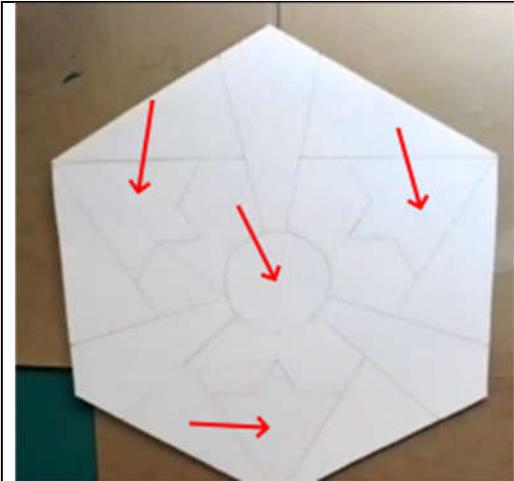


18) Place your straight edge across from side to side at left and right lowermost corners. Draw lines across outer parts of inner triangle. This is super hard to explain here. Make sure you watch the video. Do other two sets.

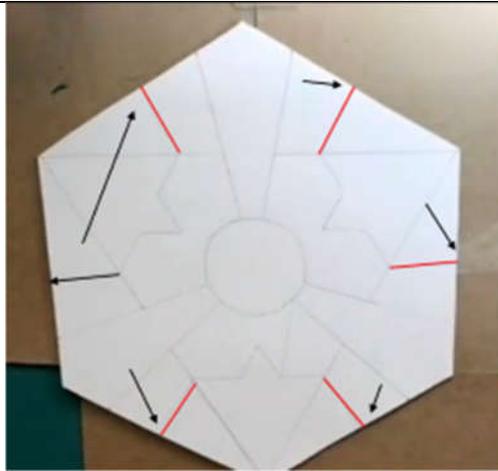


19) Connect inner ends of the lines you just drew with the dots.

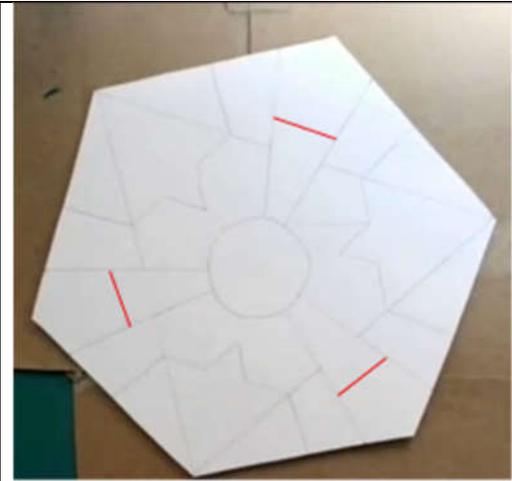
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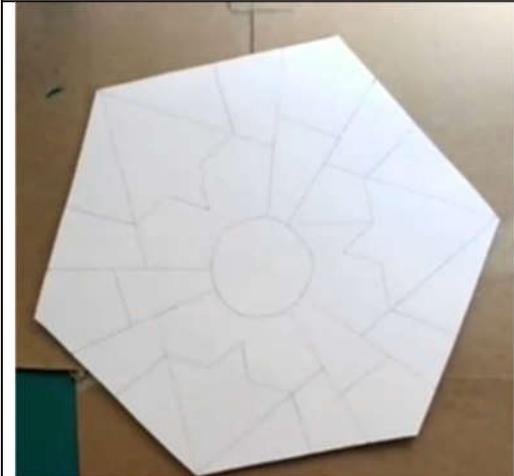
20) Delete lines inside your new "bird feet" and the circle.



21) Next cut the outer triangles outside the bird feet in half. From corner of bird foot to edge of tile. Line should be perpendicular to side of tile.



22) Lastly lets cut our fan blades in half. Stagger the lines so its not in the same place as the corners of the of the bird feet.



Your tile should look like this now. Your tile has exactly 31 sections!!!!

Have fun!!
If you have any questions,
please contact me
at heidi@hktanglerczt.com

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