

Aranea Lance Pattern Pieces

Supplies Needed:

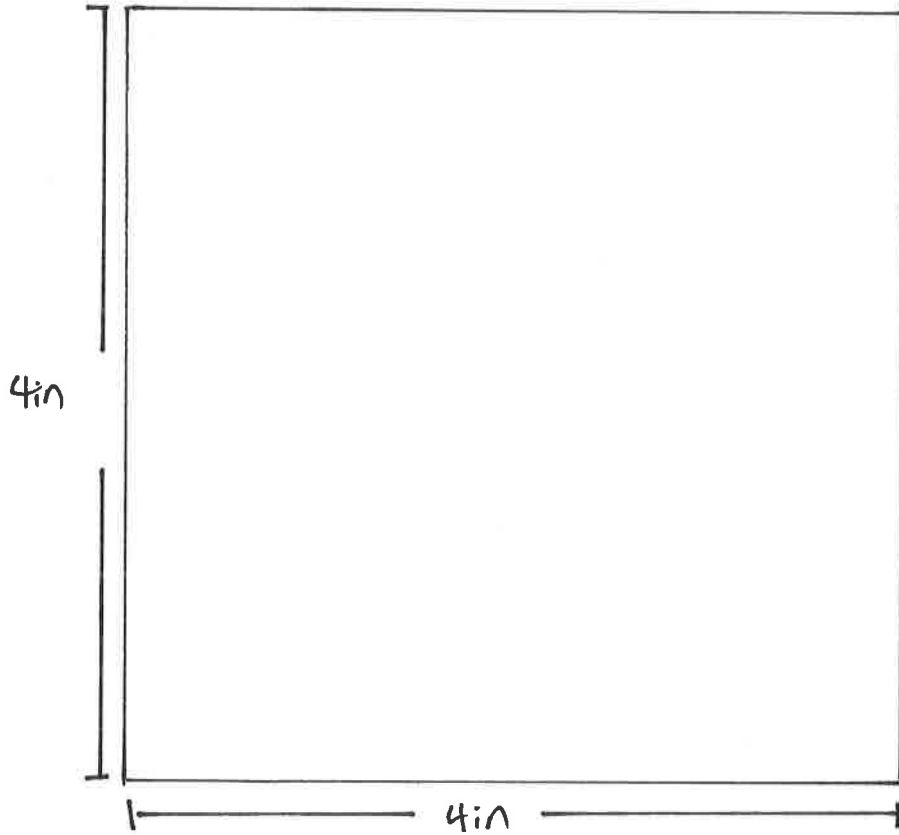
- Pattern Pieces
- 2mm eva foam
- 4mm eva foam
- 6mm eva foam
- 10mm eva foam
- contact cement
- X-acto knife
- 45° angle foam cutter
- 3/4in PVC pipe
- PVC coupler
- pink insulation foam
- modge podge
- acrylic paint
- heat gun
- hot knife
- thibra scraps
- rasp

Note: You should only need one roll of each of the different eva foam types. You can get smooth on both sides foam from: <http://tntcosplaysupply.com/store.html>

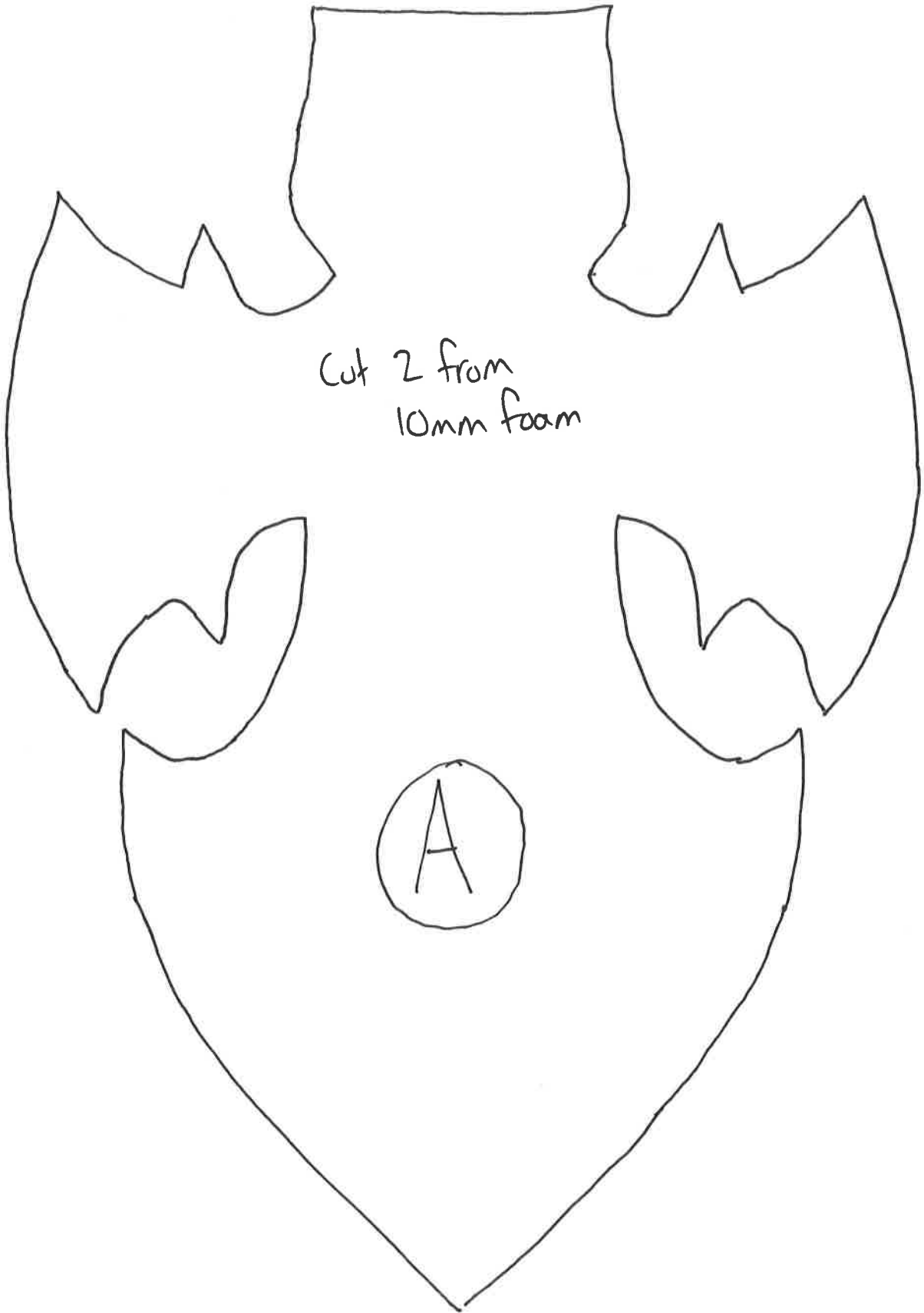
How to Use Pattern Pieces:

1. Print the pieces out, then cut them out along the lines, taping at the dotted lines if noted.
2. Use a Sharpie or other permanent Marker to mark outside edges on the different eva foams, each piece is labeled with the kind of foam that I suggest using for the piece
 - i. some pieces will be used more than once, check the reference photos and be sure to mirror them if needed
 - ii. I recommend using a 45° angle foam cutter for pieces "A" and "S"
 - iii. The pattern pieces go in alphabetical order starting from the pieces for the bottom of the lance and moving up to the top
3. Breakdown of Where the Pattern Pieces Attach:
 - A. This piece will be cut out twice, and glued to each other and the top will sandwich the PVC pipe. I recommend also adding a raised beveled edge piece of foam down the center of each piece "A"
 - B. All four pieces will connect on each long edge side, then the top will attach to the four pieces of pattern piece "C"
 - C. Very similar to pattern piece "B", it all connects on the long curved sides, then attaches to piece "B" where noted on the pattern piece. Once attached you can slide it down the PVC pipe
 - i. Note: my PVC pipe disconnects between pattern pieces "C" and "D" for travel using a PVC coupler
 - D. For this piece, connect at the curved side and the short edge at the bottom of piece E. See photo of pattern pieces
 - E. Each of these pieces connects to two sides of "F" and "D" as noted on the pattern piece. You can optionally use a hot knife to add a bevel in the diamond for added dimension
 - F. The four parts of this piece attach at the long edge, then attach to pieces "E" and "D" where noted on the pattern pieces

- G. This pattern piece is meant to be cut on a fold, so you may need to print it twice and tape it together. To get the effect as shown on mine, you will need to heat it up with a heat gun. It attached around the PVC pipe at the top noted part, and it glues to the second piece "G" at the side marked part
 - H. This piece glues directly on top of the side glued edges of piece "G" as noted on the pattern. You can use a hot knife to cut out the marked empty spaces on this piece
 - I. This piece attaches to the carved piece of insulation foam above hand guard pieces "G"
 - J. Goes directly on top of piece "I"
 - K. Goes directly on top of piece "K"
 - L. Attaches on the long straight edge to the PVC pipe, right above the carved insulation foam piece
 - M. These wings attach on the long straight edge to the bottom sides of piece "L"
 - N. Attaches on top of the PVC pipe, in the center of where both sides of "L" lie flat
 - O. Curves over top of piece "N" on one side, and mirrors this curve on the other side on top of the two flat "L" pieces
 - P. Curves over top of piece "O" and piece "N"
 - Q. Curves over top of piece "O" on the reverse side of piece "N", with a seam glued along the longest edge
 - R. These triangle pieces line up along the seam of where piece "Q" attaches to itself
 - S. Attaches to the very top of the lance, it can be added to an additional PVC connector
4. Misc. metal looking "filler" bands
- i. I added a lot of "filler" pieces out of 4mm craft foam at varying widths to match the reference photos of her lance.
 - ii. To make them look nicest I used a ruler and cut out lines at ½ in, 1 in, 1 ½ in, 2in, and 2 ½ in, and cut so they could wrap fully around the PVC pipe.
 - Doing the same with your own ruler will end up straighter than a pattern piece and make sure they will fully wrap around the pipe.
5. Insulation foam "Egg" looking thing
- i. It started as three "donuts" made from 2.5in pink insulation foam with a 4in diameter that I cut out a hole in each one to match the PVC pipe diameter, glued it all together with modge podge and weighed it down with a textbook while it dried.
 - ii. Once dry I used a rasp to shape out this egg looking thing based on the reference images, then I glued it to the PVC pipe with modge podge (contact cement melts insulation foam!)
 - iii. Then I used several coats of modge podge to smooth it all out and prime it
6. Arrows on the Handguard
- i. There are two arrows that are on the handguard on top of where piece "H" connects to piece "G". I found the easiest way to make these was to use Thibra scraps I had on hand and mold them to shape. You could also do this with foam clay, but Thibra dried much quicker.
 - ii. They were glued directly on top of piece "H" on both sides

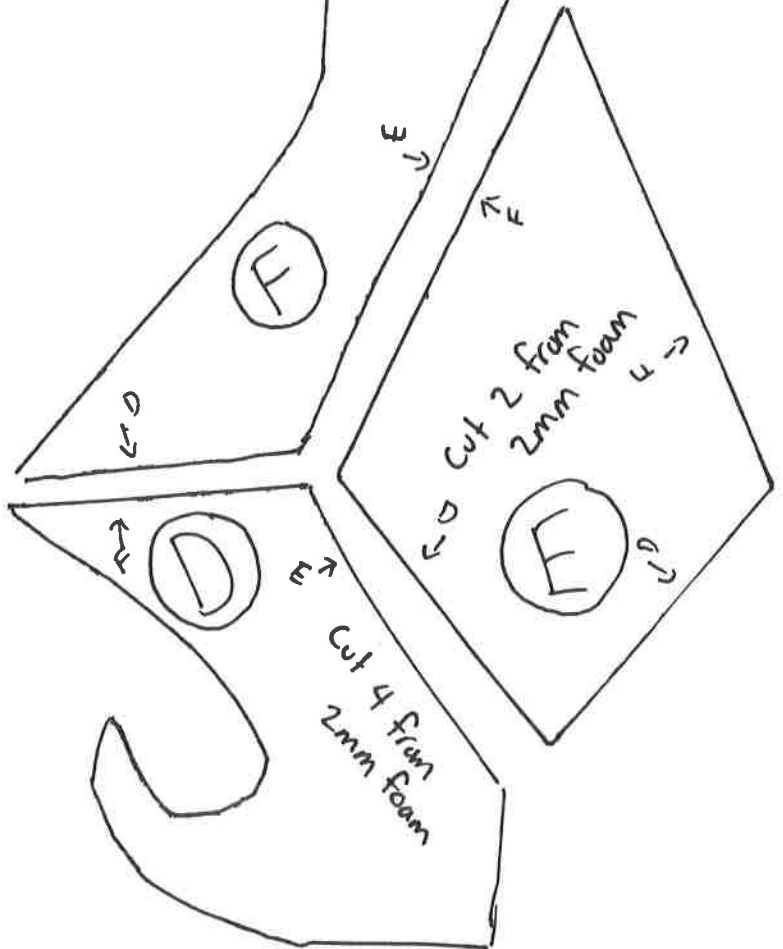
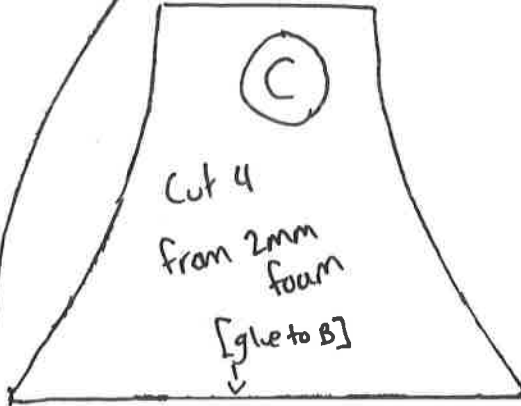
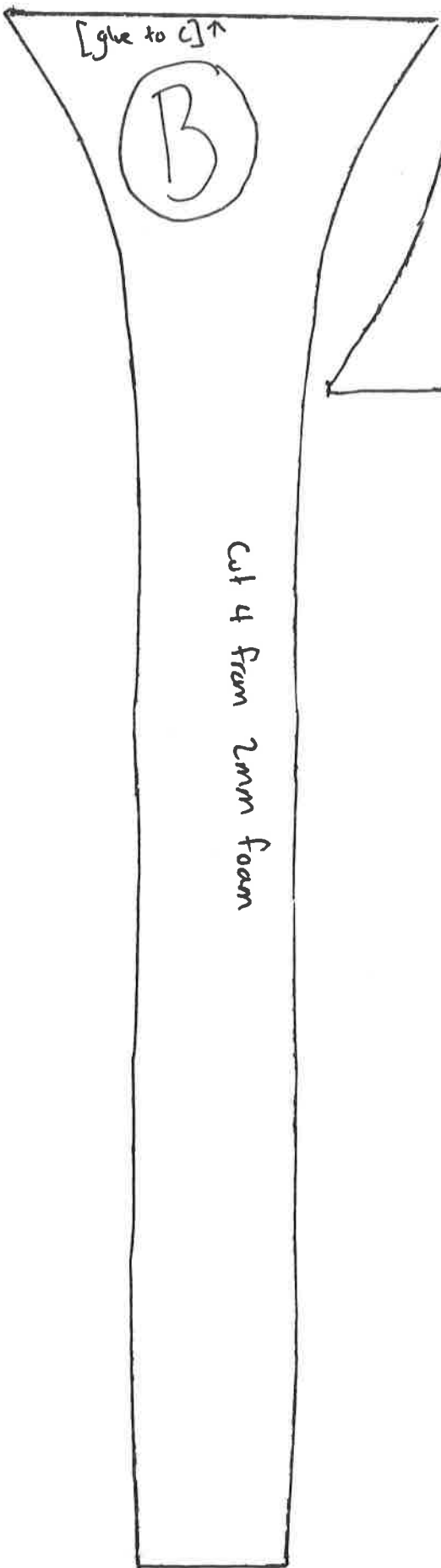


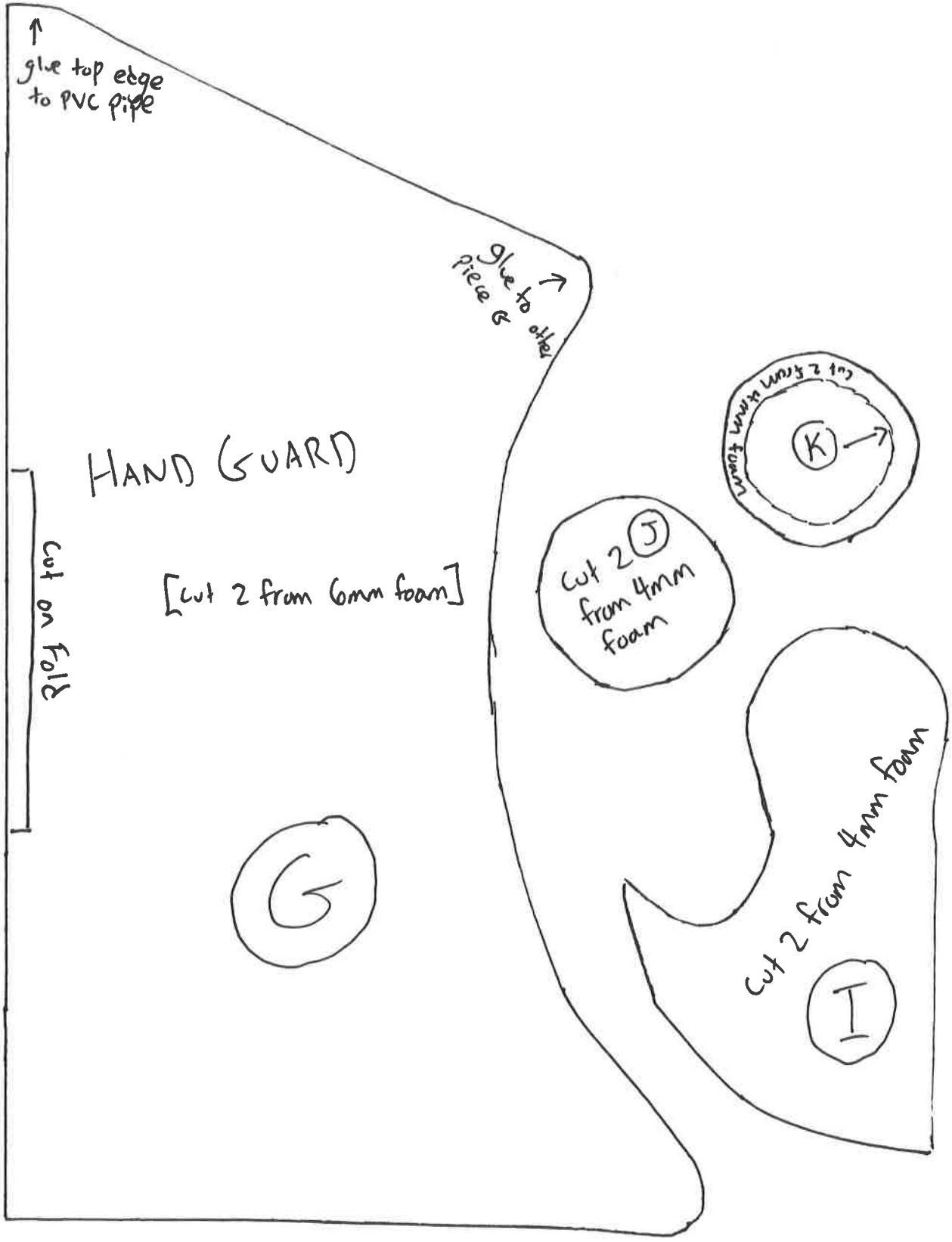
TEST Square

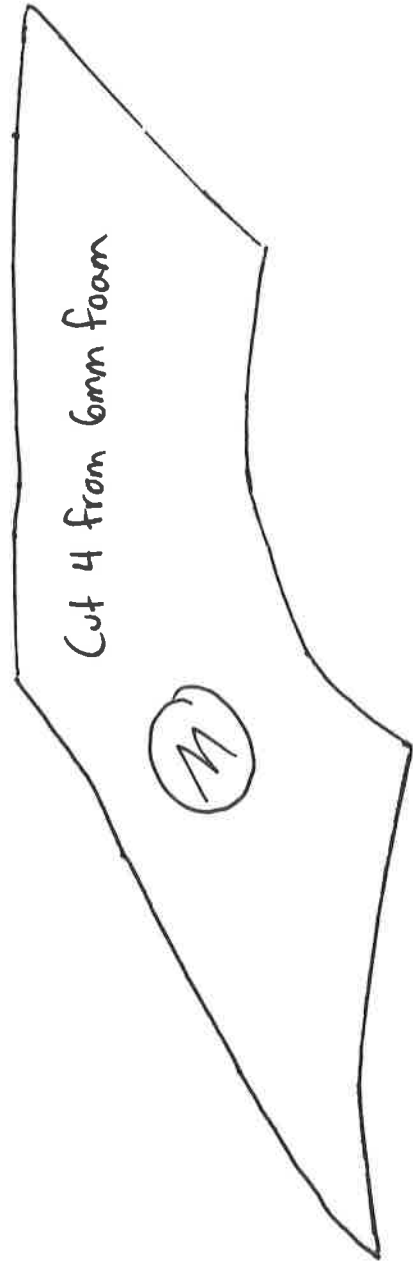
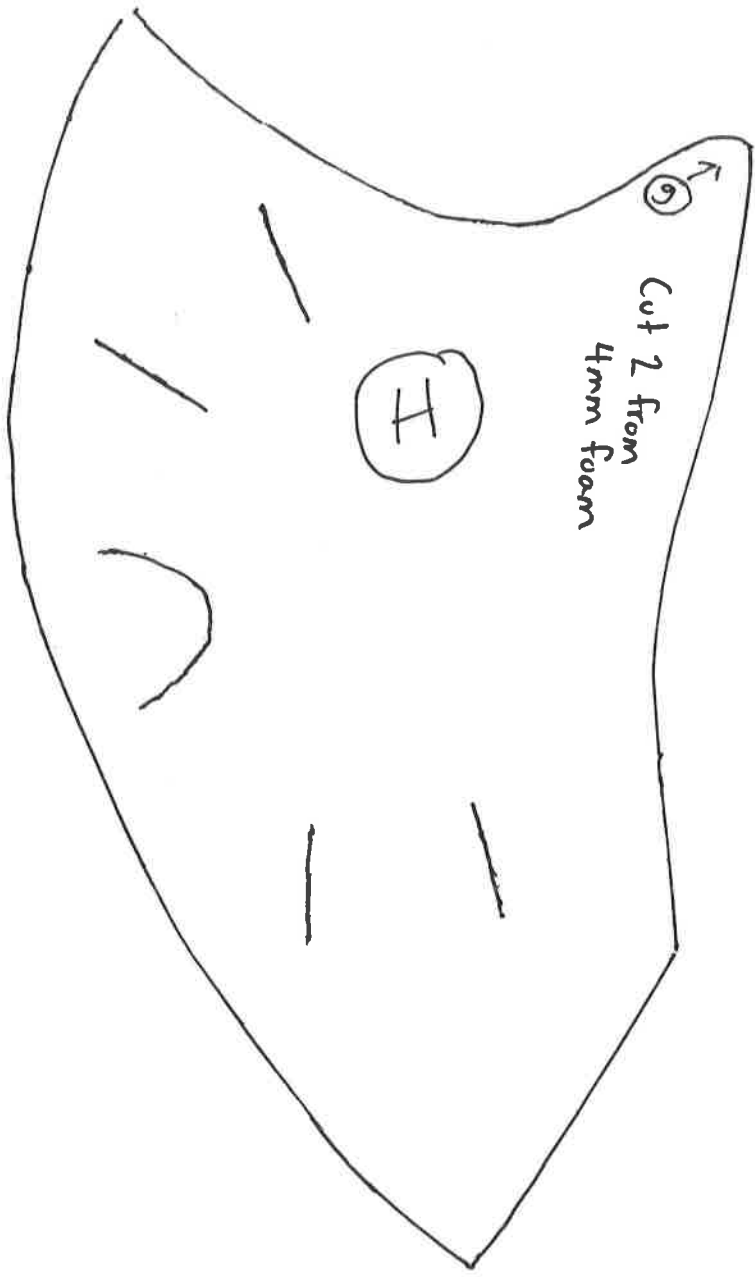


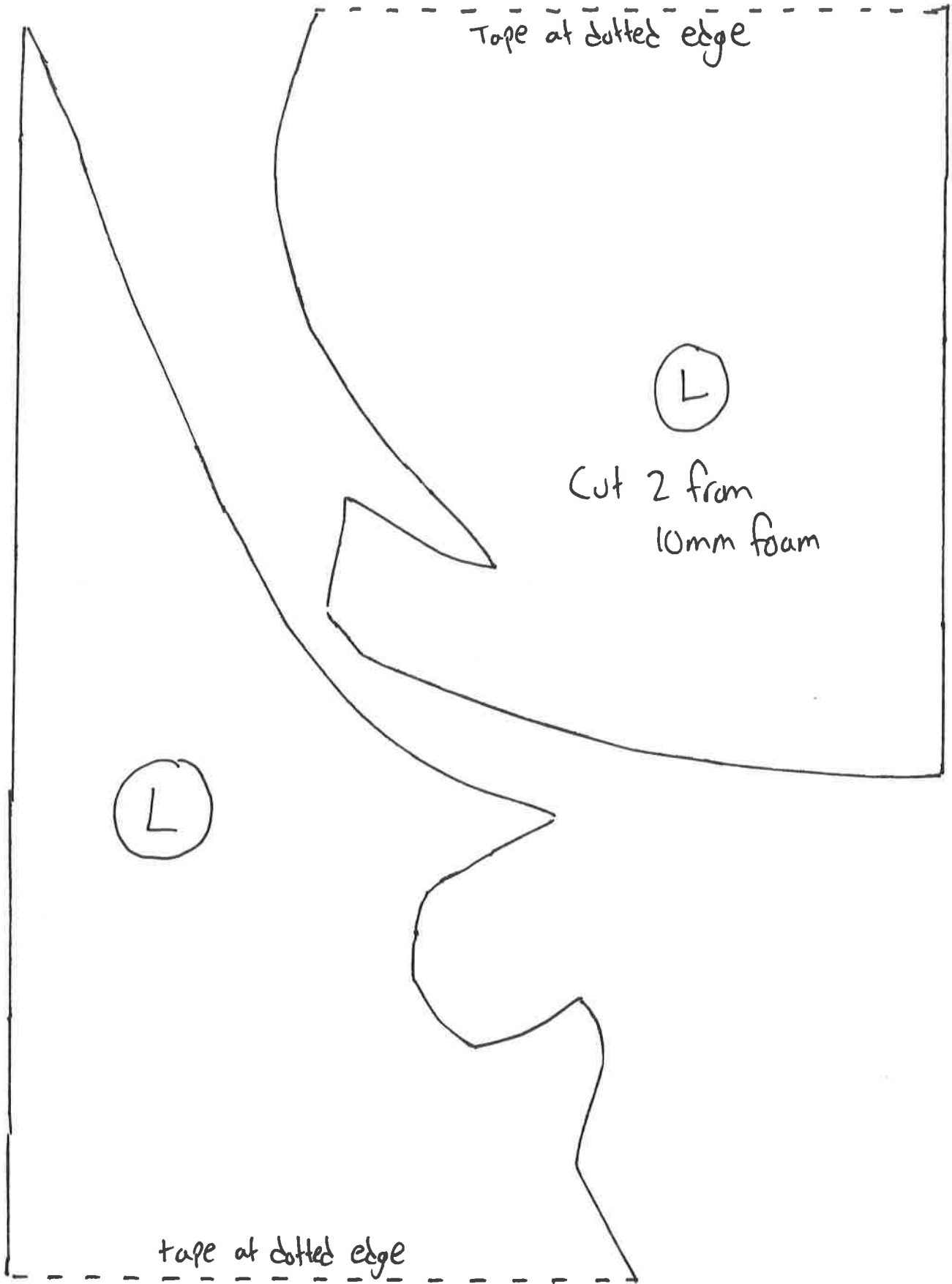
Cut 2 from
10mm foam

A









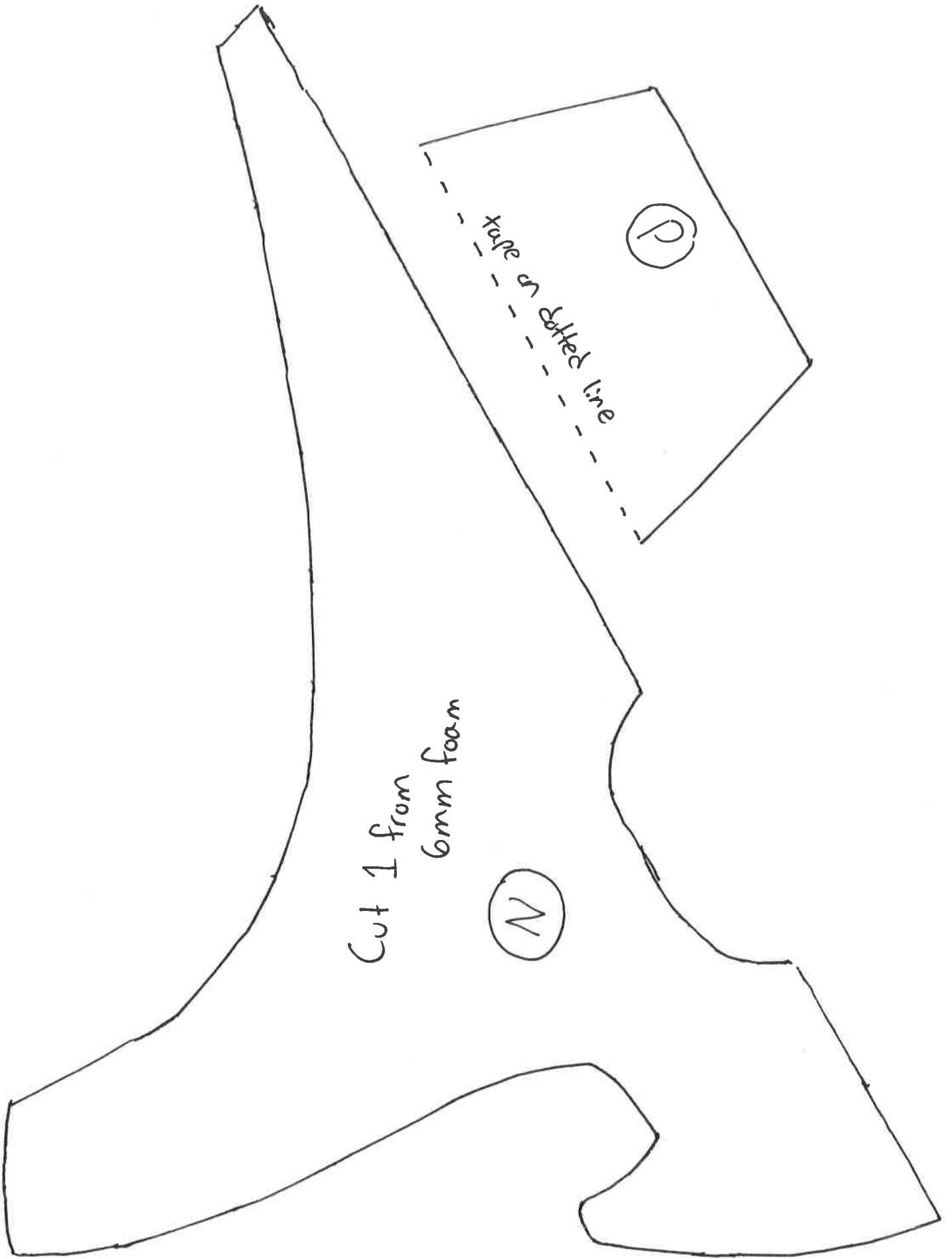
Tape at dotted edge

(L)

Cut 2 from
10mm foam

(L)

tape at dotted edge



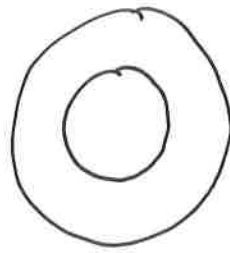
Cut 1 from
6mm foam

N

P

tape on dotted line

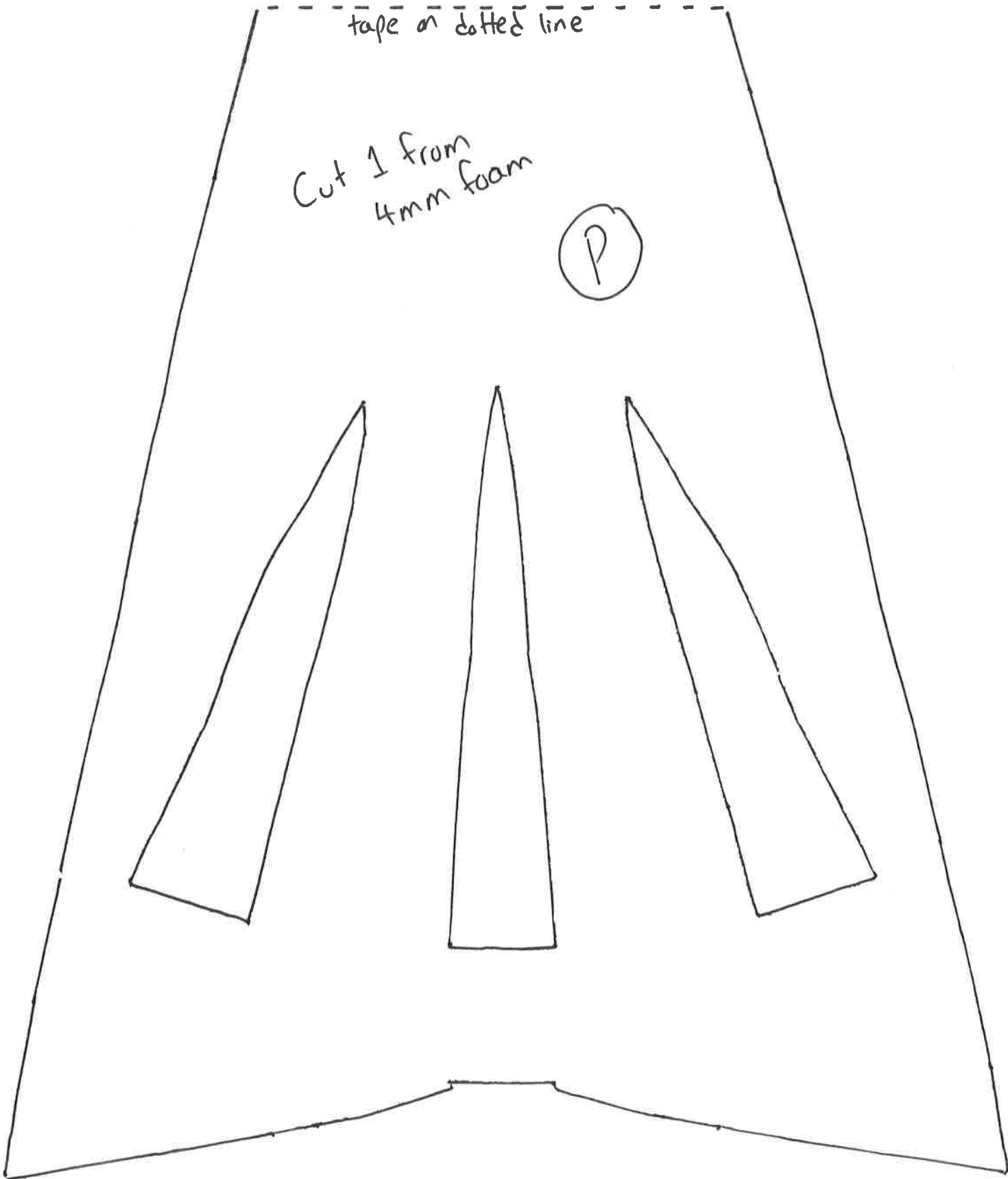
Cut **2** from 6mm Foam

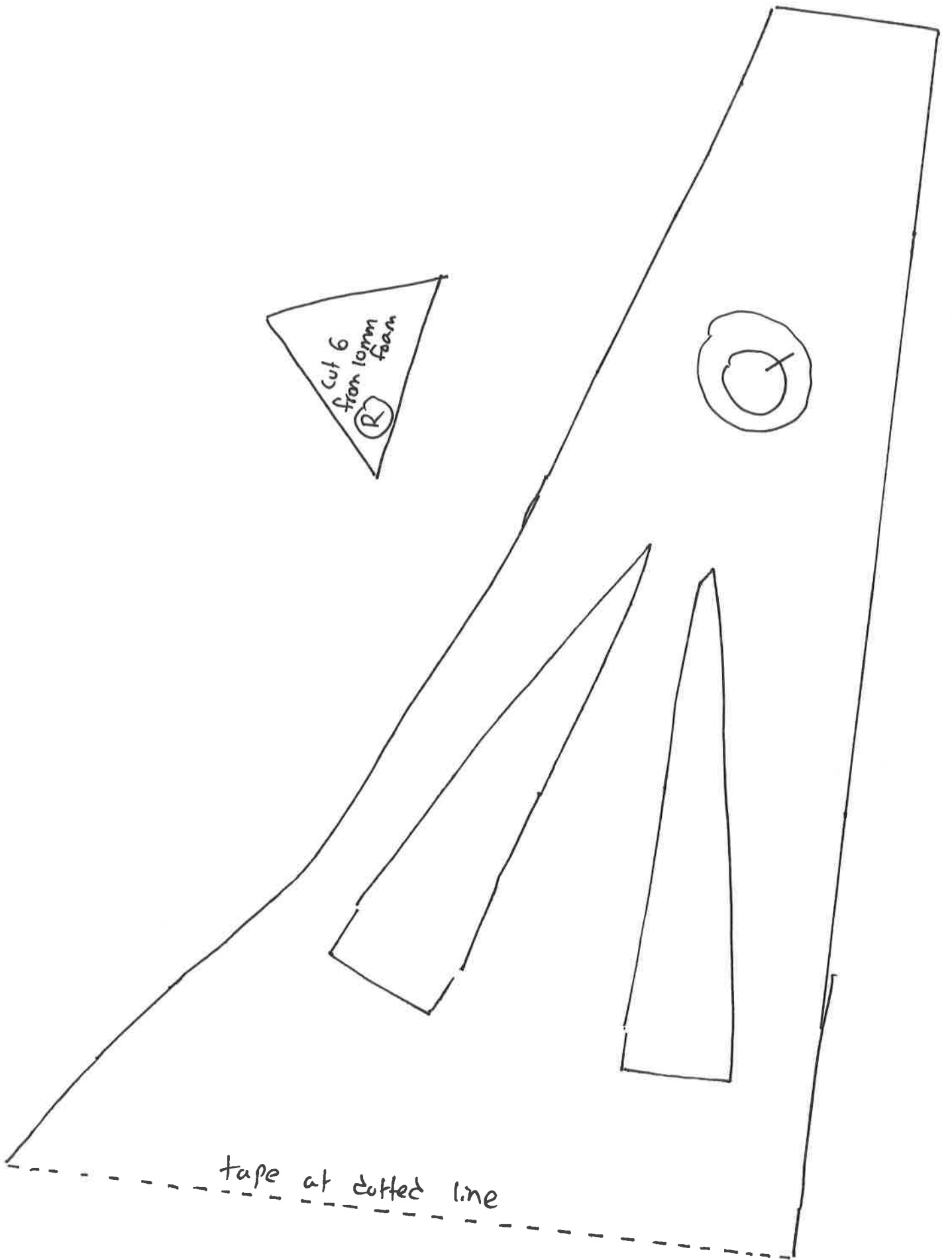


tape on dotted line

Cut 1 from
4mm foam

P



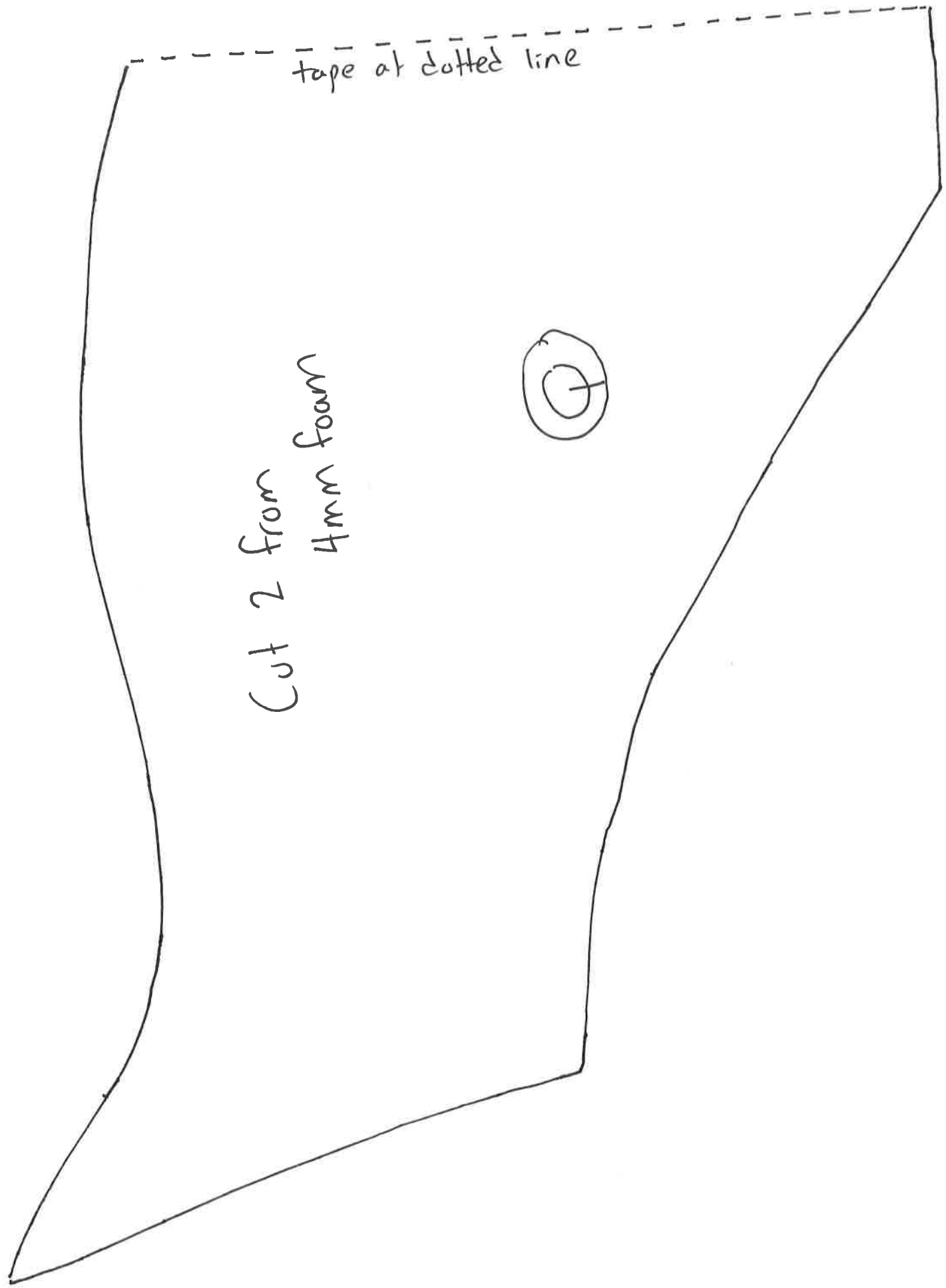
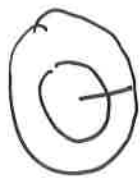


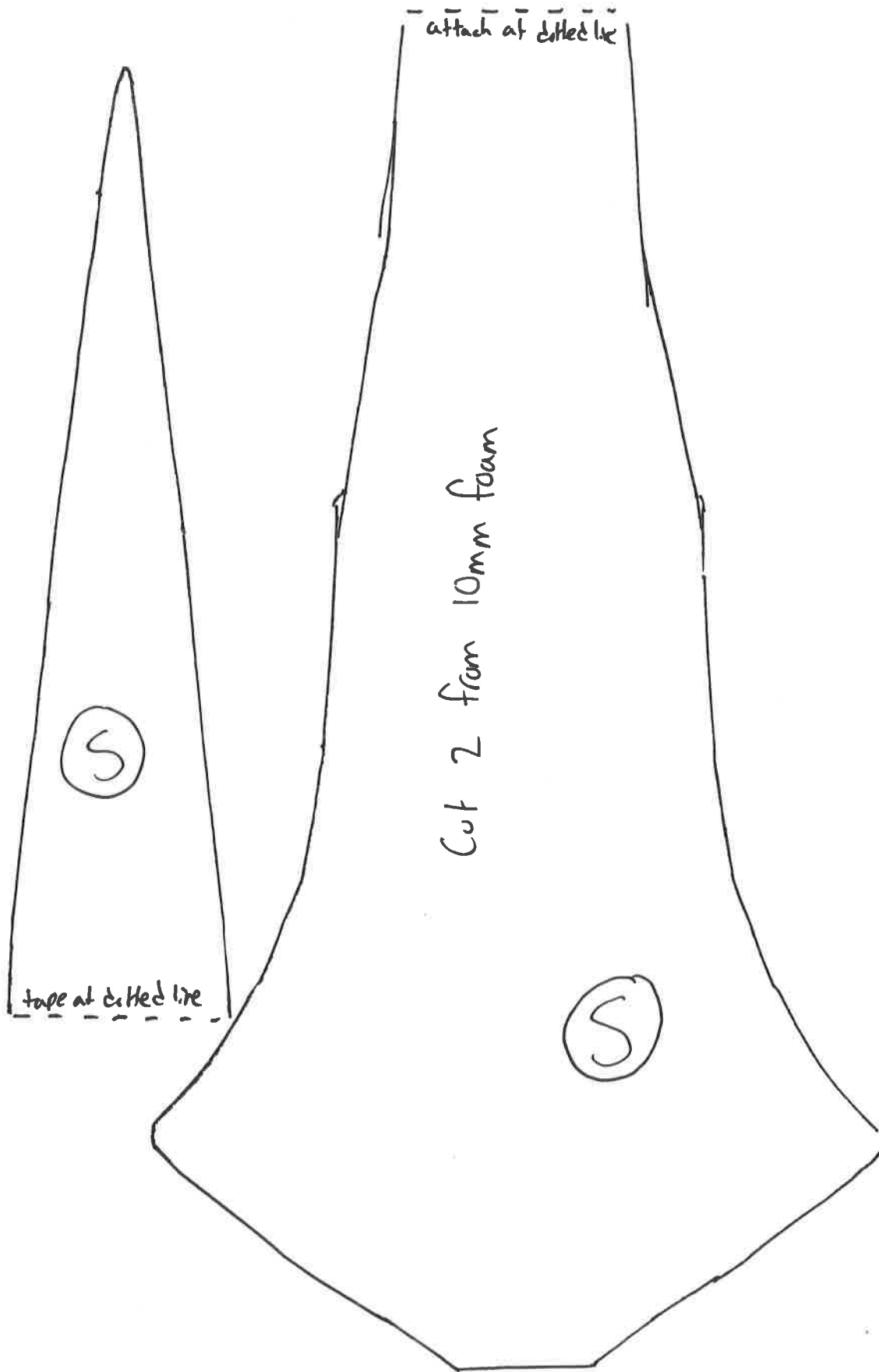
cut 6
from 10mm
foam
R

tape at dotted line

tape at dotted line

Cut 2 from
4mm foam





attach at dotted line

S

tape at dotted line

Cut 2 from 10mm foam

S