OLSON MASK PATTERN

Created by: Clayton Skousen & Rose Hedges
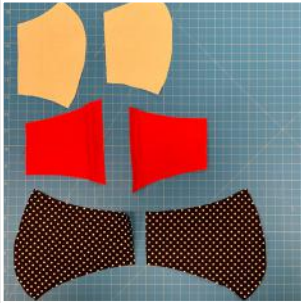
Materials Needed

- Cotton Weave Fabric (~½ yard is enough to make 2-3 masks)
- All-Purpose Thread
- Hair Ties (2)*
- Scissors
- Doubled-Sided Skin Adhesive*

* Adding hair ties is optional. If they are put on at the hospital, this will allow for different sizes to be made. Double-sided tap will be applied at the hospital.

MADE@ generate
powered by MakerHealth®

UnityPoint Health

1. Using the patterns, cut one of each shape.

You will need six (6) total pieces.

2. Sew **face 1** and **face 2 together** along side 3.

3. Sew **mouth 1** and **mouth 2 together** along side 3.

4. On **mouth 1** and **mouth 2** sew fold **side 5** over ¼ inch and sew down.

5. On **cheek 1** and **cheek 2** fold side **6 over** ¼ inch and sew down.

6. Match **cheek 1** and **mouth 1** at the dotted line (7). Sew a 1-inch tack at **side 1** and **side 2** where the two pieces overlap.

7. Repeat Step 6 for **cheek 2** and **mouth 2.**

8. With the fronts of the fabric facing each other, sew along the entire perimeter of the mask.

9. Use one of the slits between the mouth and the cheek to turn the mask right-side out.

DO NOT do step 10 or 11 if making this for a health facility.

10. Add a hair tie to each side by folding the fabric on the end of the mask over the tie and sew down.

11. Apply double-sided skin tape around the contour of the mask to create the required seal.

How to launder and inspect the Olson Mask with or without elastic attached:

Wash and inspect prior to use.

1. Wash with machine water setting Hot.

> Masks should be washed after each use or when they become moist or soiled.
> Use is defined as one shift per healthcare employee. It is acceptable to wash masks
> at home, because they are not being used for direct patient care or as PPE.

2. Tumble dry.
3. After each washing:
   a. Inspect seams of mask. Rule out rips, tears, and stains.
   b. If elastic is in place, stretch elastic to ensure it does not tear or break when stretched.
   c. If If rips, tears, or stains are identified, discard mask.
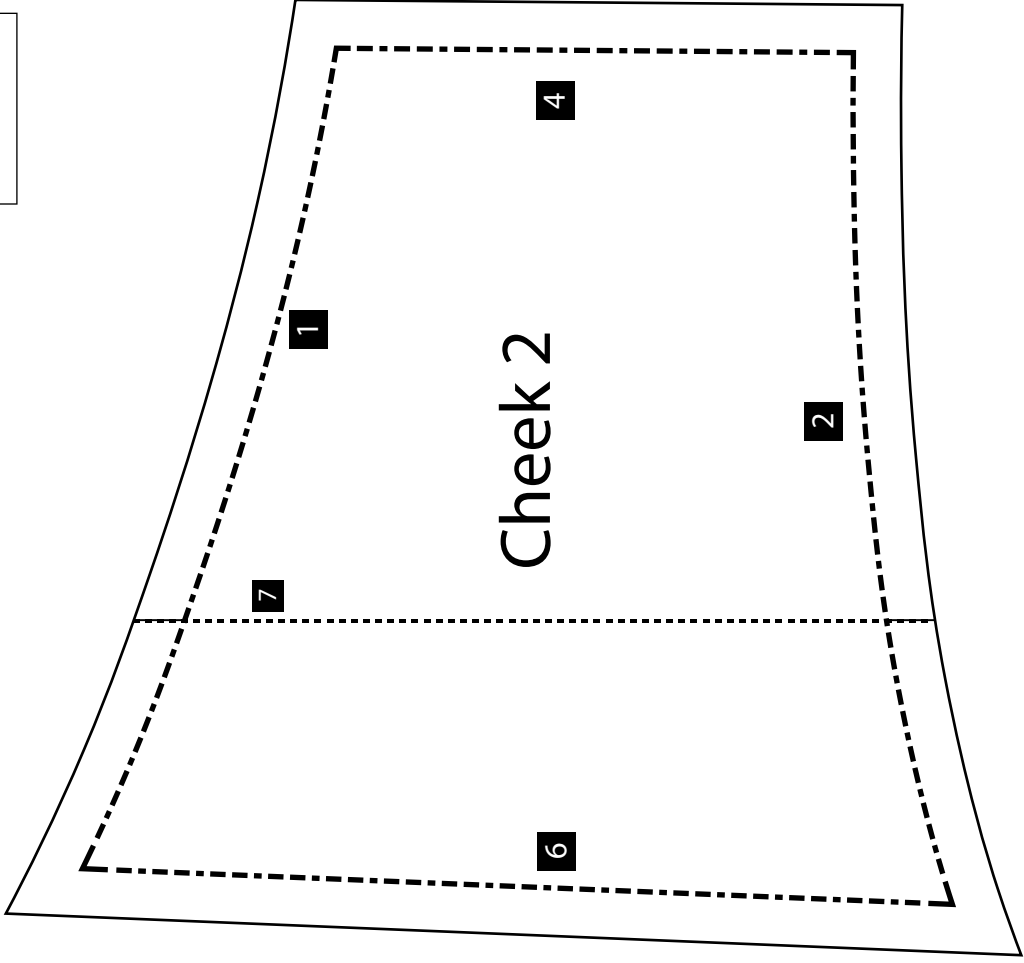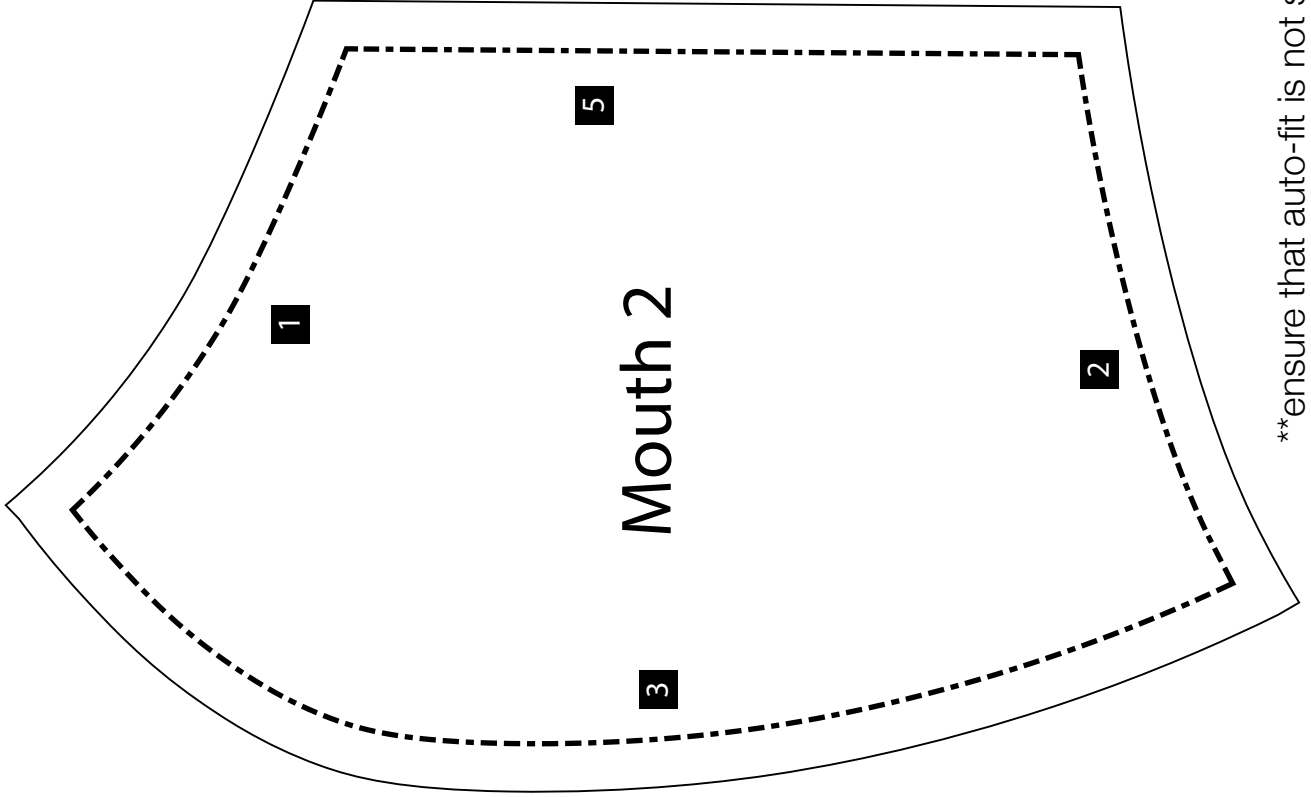
ADDING FILTER

Adding the filter to the Olson Mask:

(Filters can be found in many products such as vacuum bags, furnace filters, etc.)

1. Use the pattern template (on the last page) to cut out the size of the filter from your source.
2. Fold the cut filter in half and insert into the pocket.
3. Open the folded filter inside of the pocket, ensuring that it reaches up to the bridge of the nose and down to the chin.
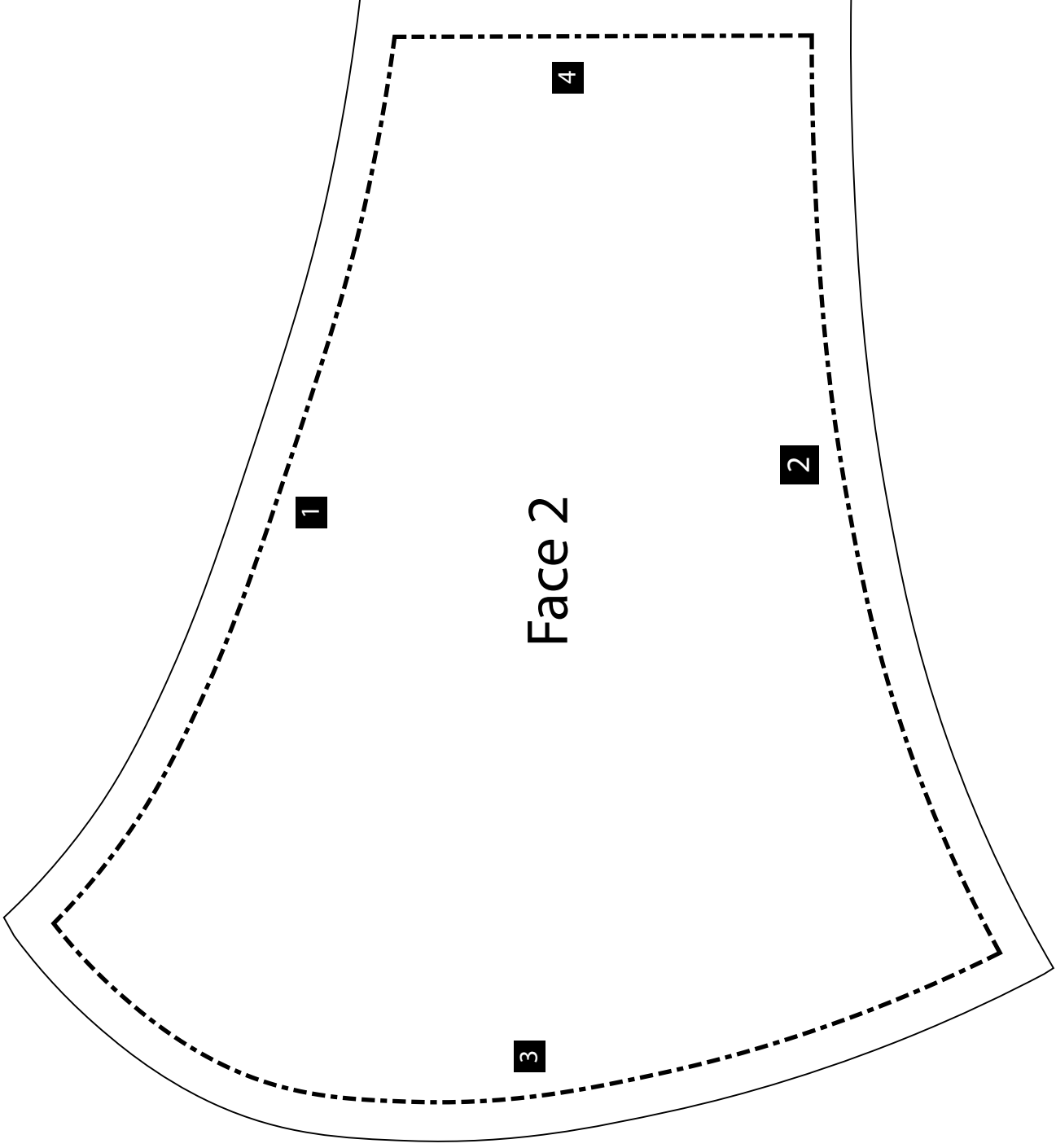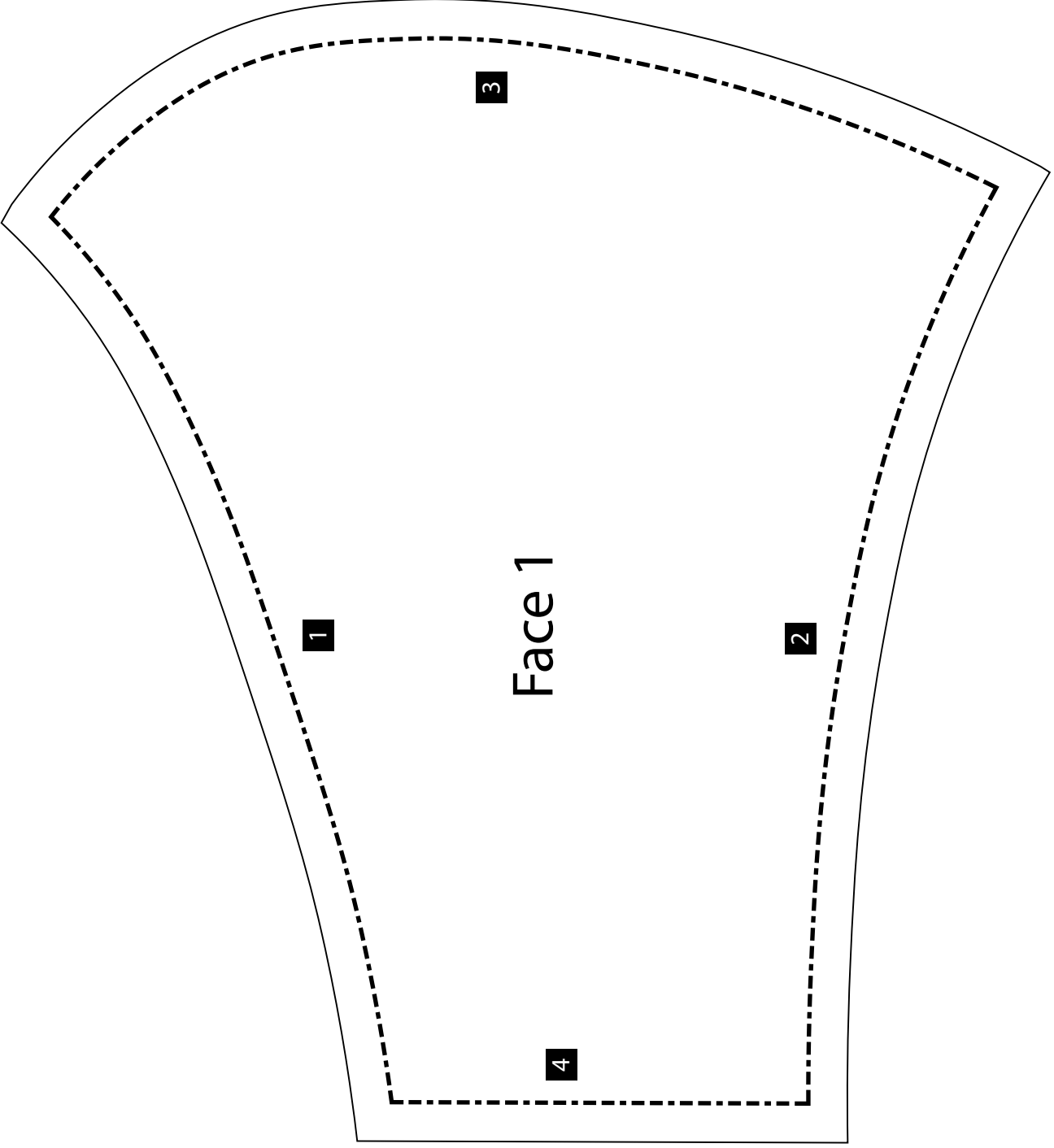
1" x 1"

Test Square

Cheek 2

4

1

2

7

6

Mouth 2

5

1

2

3

**ensure that auto-fit is not selected when printing to ensure pattern measurements are not altered

1" x 1"

Test Square

Face 2

1

2

3

4

1" x 1"
Test Square

Face 1

1

2

3

4

**ensure that auto-fit is not selected when printing to ensure pattern measurements are not altered
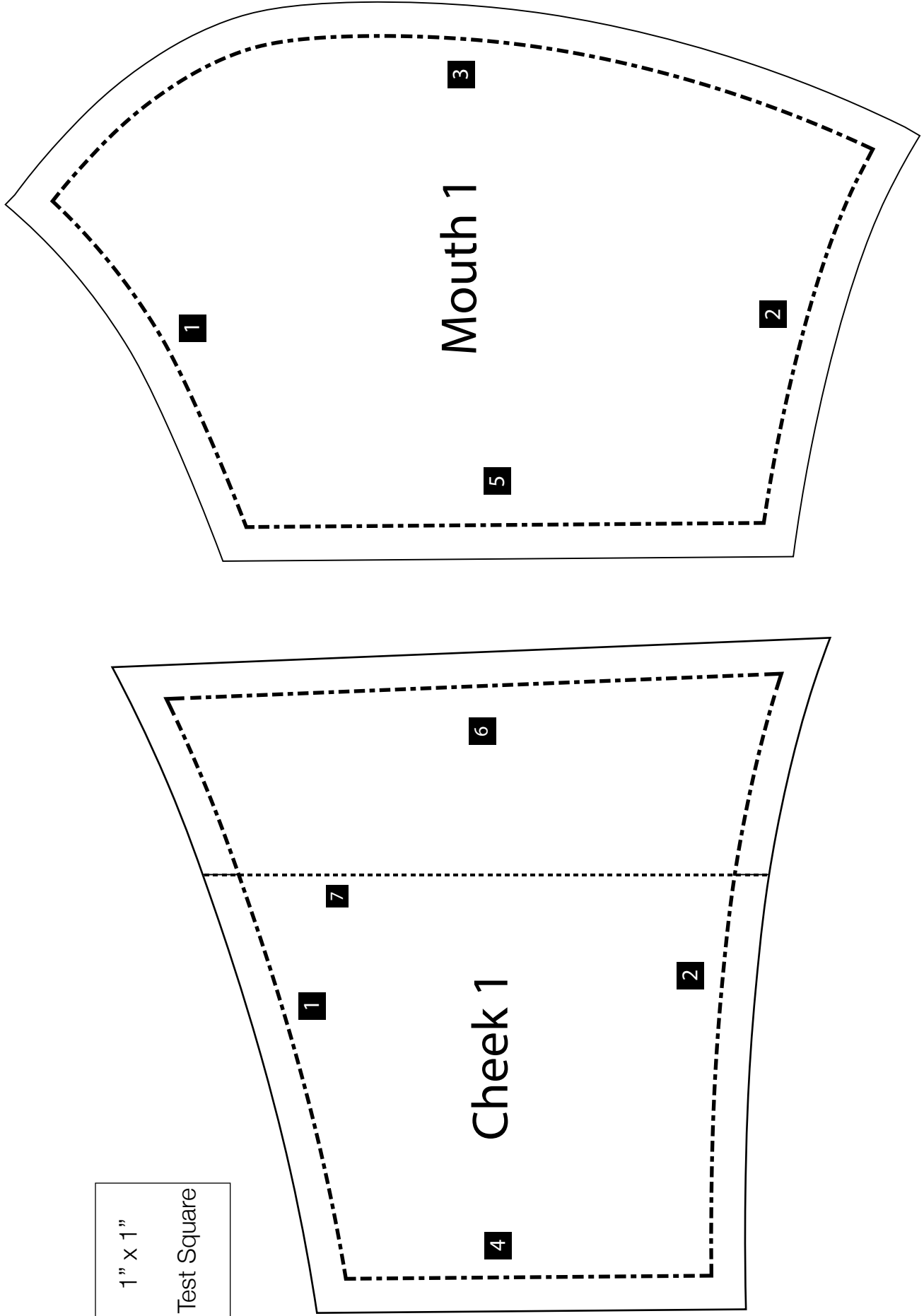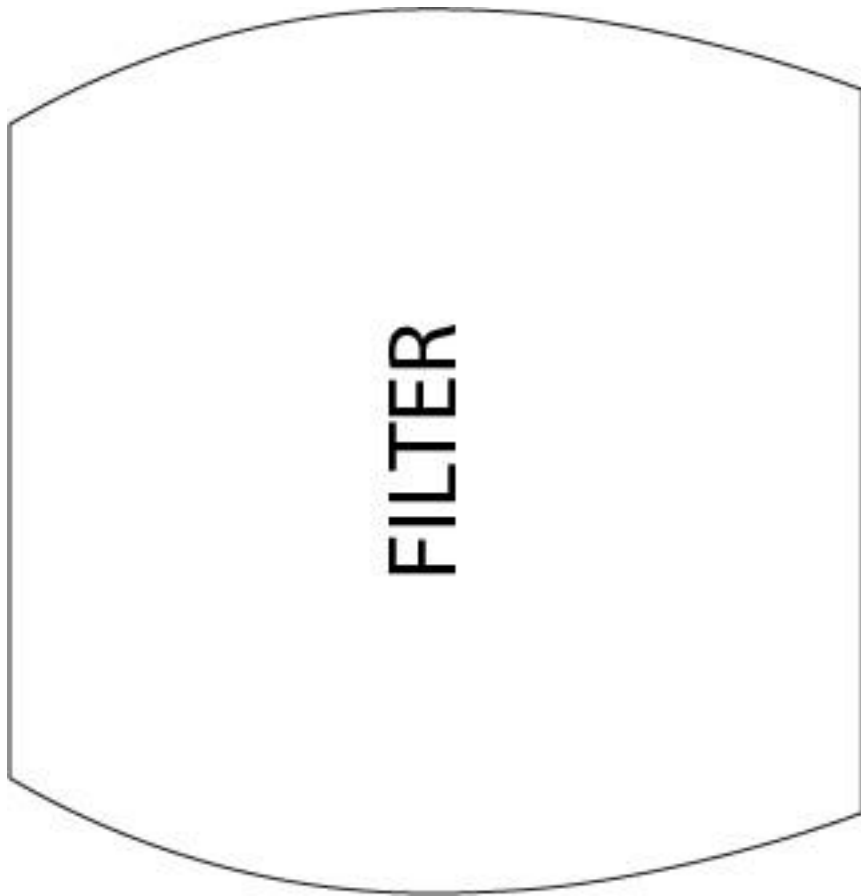
Mouth 1

3

1

2

5

Cheek 1

6

7

1

2

4

1" x 1"

Test Square

**ensure that auto-fit is not selected when printing to ensure pattern measurements are not altered

FILTER

1 INCH