

For more patterns and projects, visit https://learn.sparkfun.com/tutorials/lilypad-e-sewing-protosnap-hookup-guide?_ga=2.20187963.220726538.1585578789-1462193925.1585578789

The following are cutout patterns that were going to be used at Home Ec School. If you have questions about the patterns, or need help with making e-textiles, please email:

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LilyPad Resource center: <http://www.sparkfun.com/lilypad>

4-H Button Kit:

- E-Sewing ProtoSnap: Comes with switch, battery holder, button, and 3 white lights. \$5.95
<https://www.sparkfun.com/products/14546>
- LilyPad Rainbow LED- comes with 6 lights, you'll need the white and green. \$3.50
<https://www.sparkfun.com/products/13903>

White lights would go on each clover leaf as the H's, and the green would go in the center of the clover. You'll just need the battery holder.

For stuffed animals:

- Battery Holder. \$1.95
<https://www.sparkfun.com/products/13883>
- Use the leftover 4 rainbow lights from the strip above.

You'll also need:

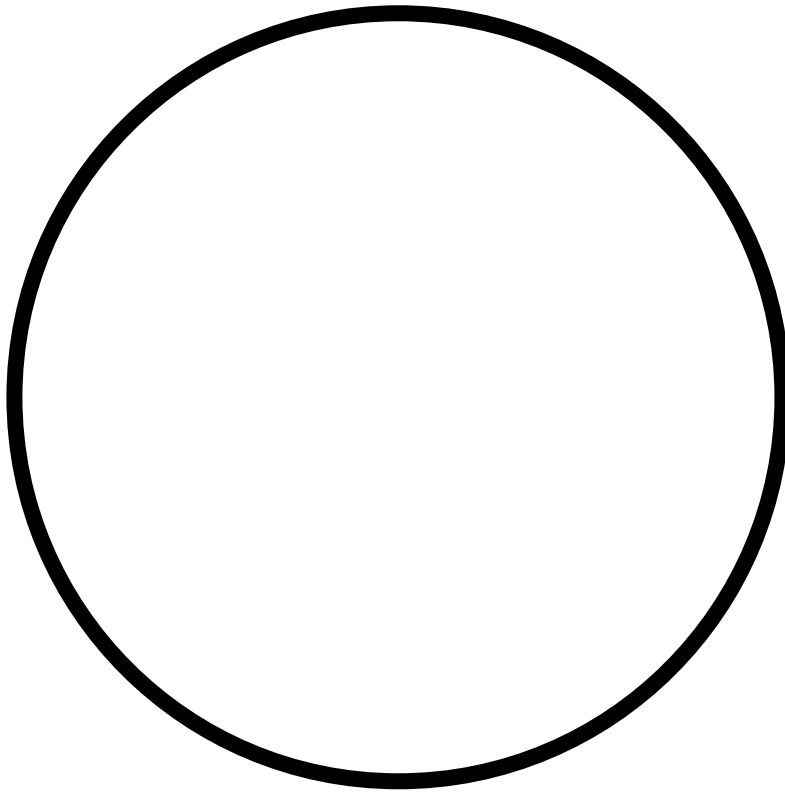
- Conductive thread. \$4.50
<https://www.sparkfun.com/products/13814>
- Felt
- Embroidery floss
- Hot glue

Start with a project on sparkfun, and as you get more familiar with the tech, use the patterns below to make a 4-H button, or a stuffed rabbit, robot, unicorn, or bear. OR use your imagination and sew the lights into a dress, shoes, shirt, headband, whatever you can dream up!

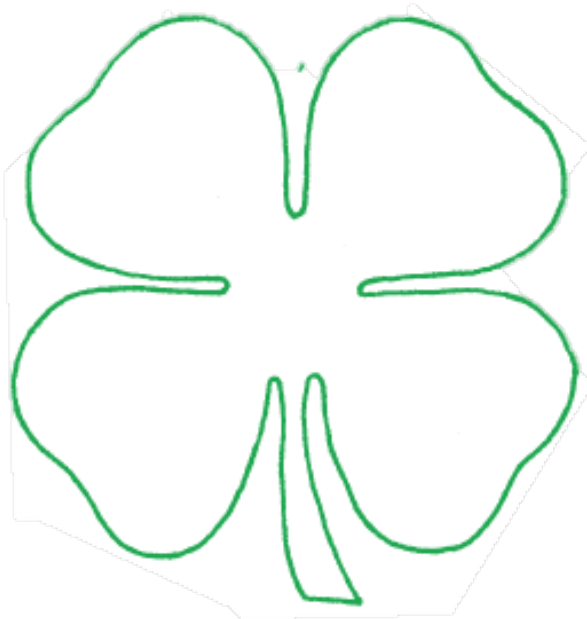
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Buttons (need to trace 2 circles) One for the front, one for the back

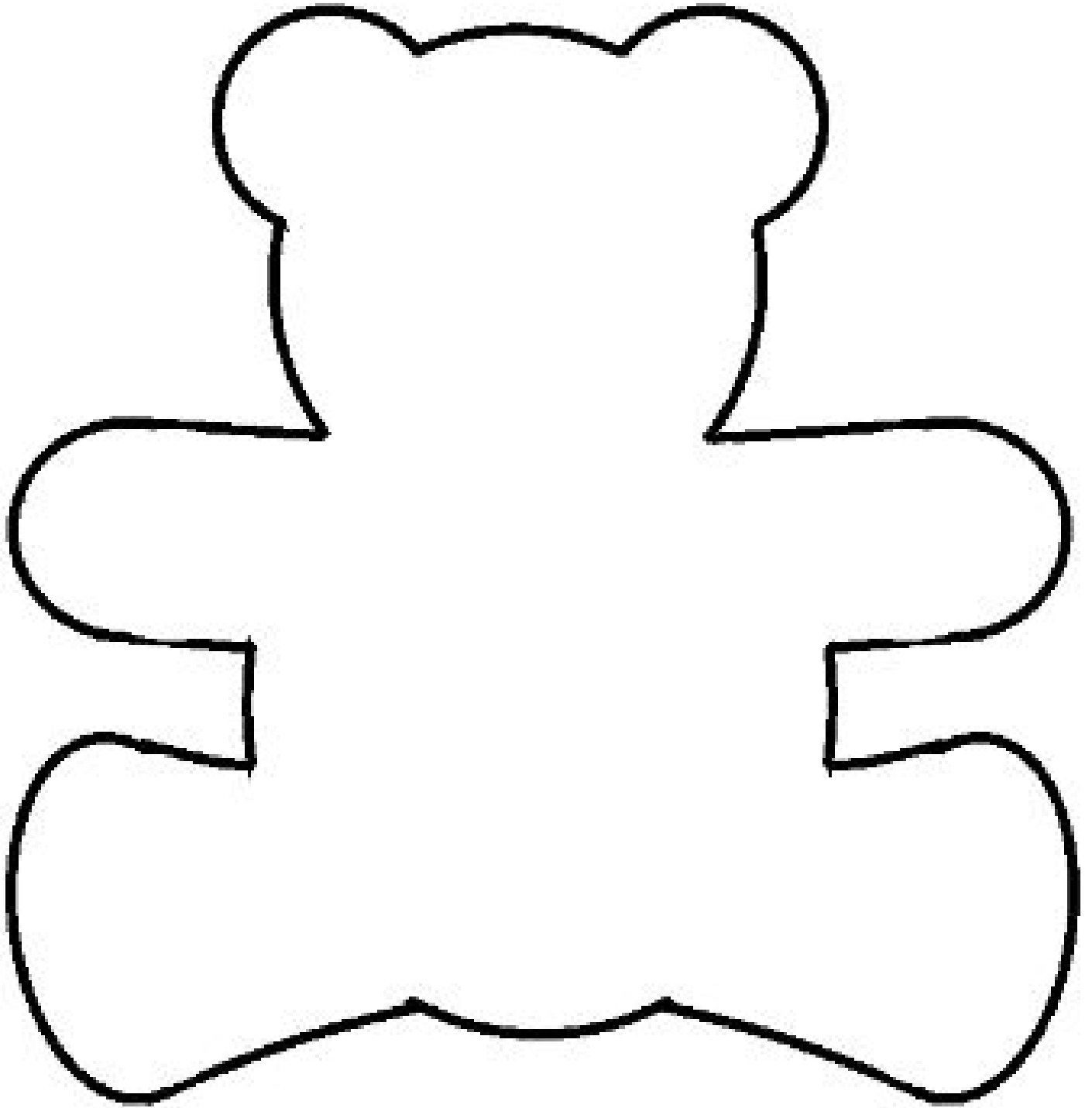


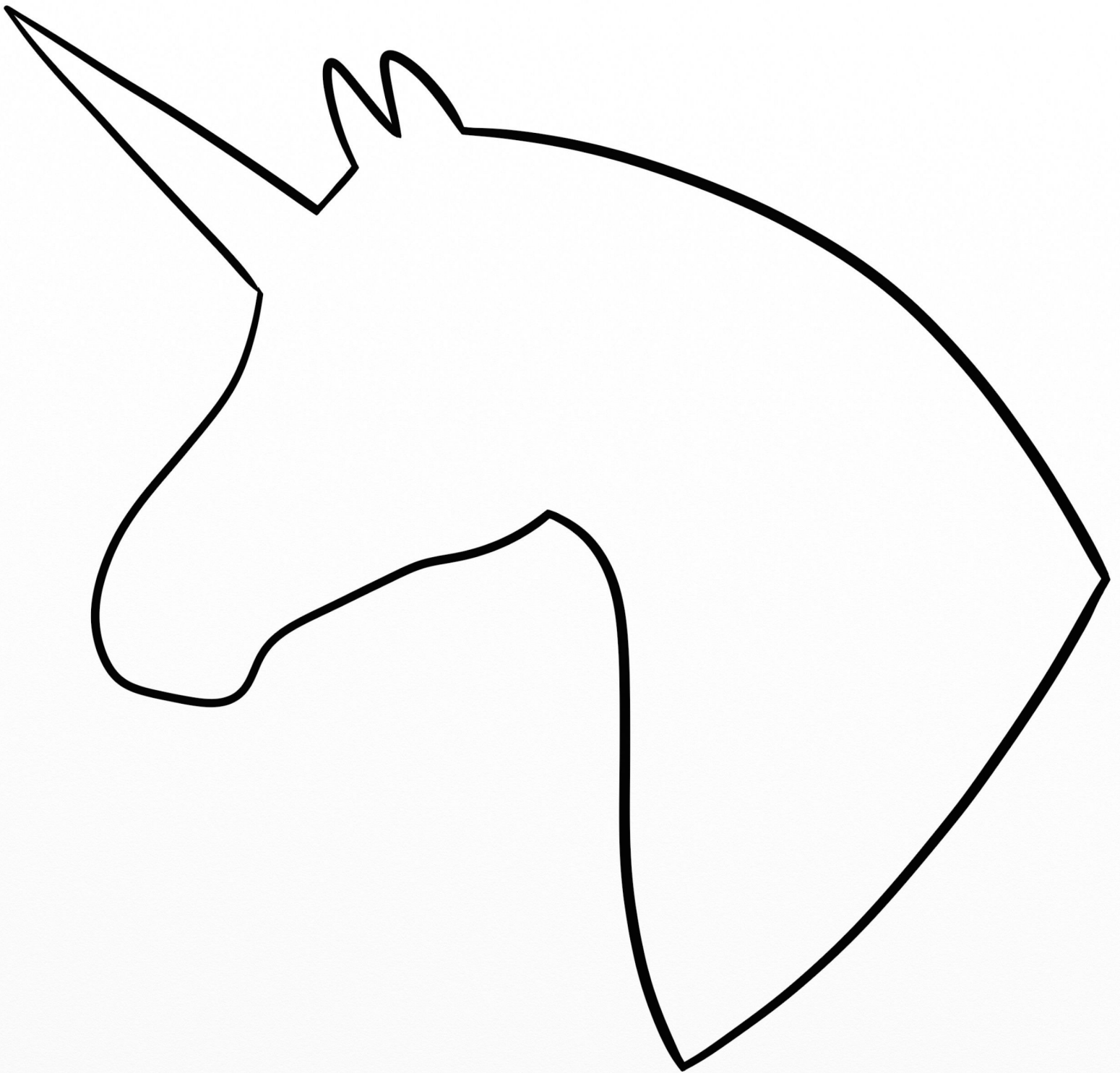
Trace and cut out 1 clover



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Bear (cut out 2)

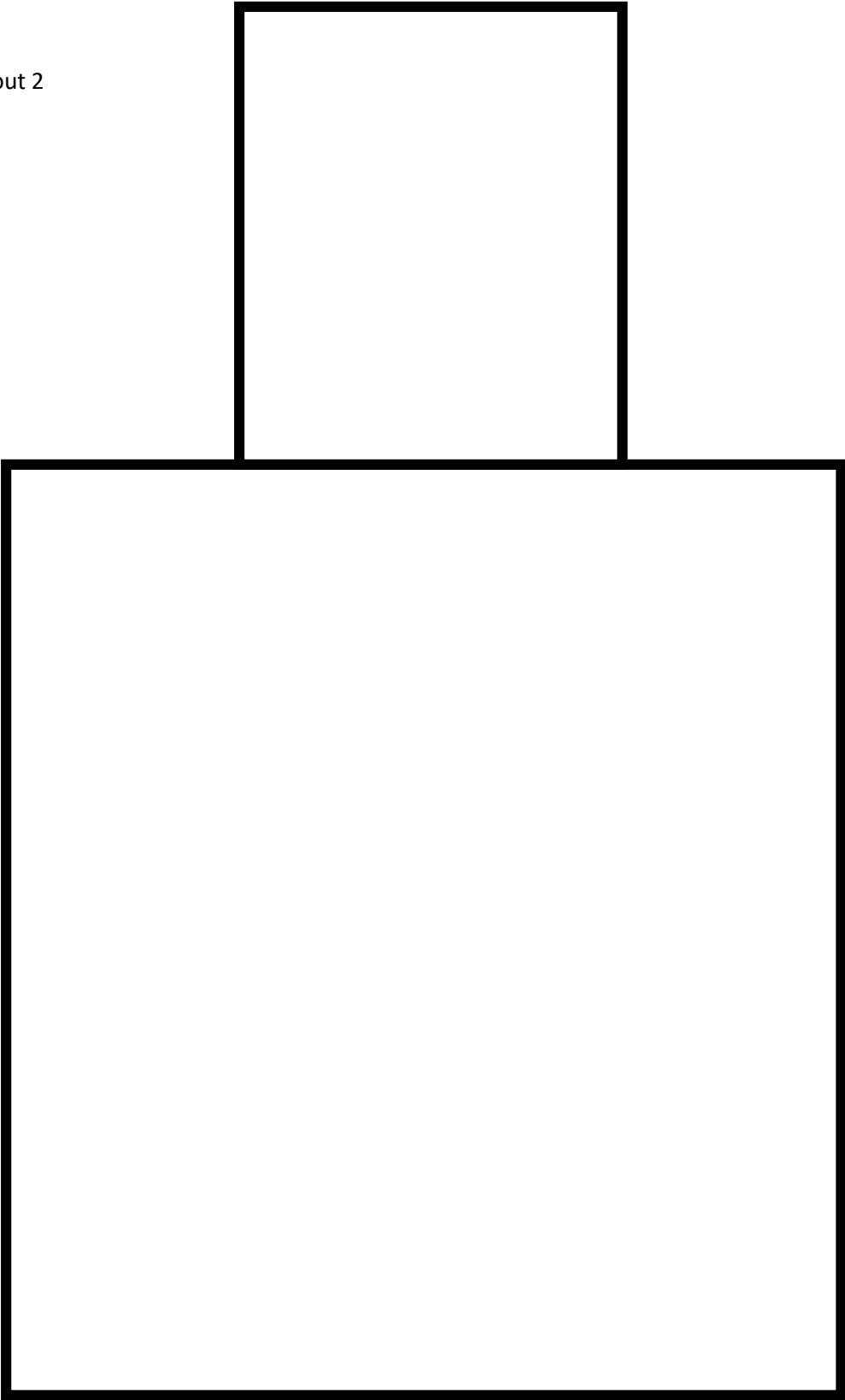




unicorn, cut out 2

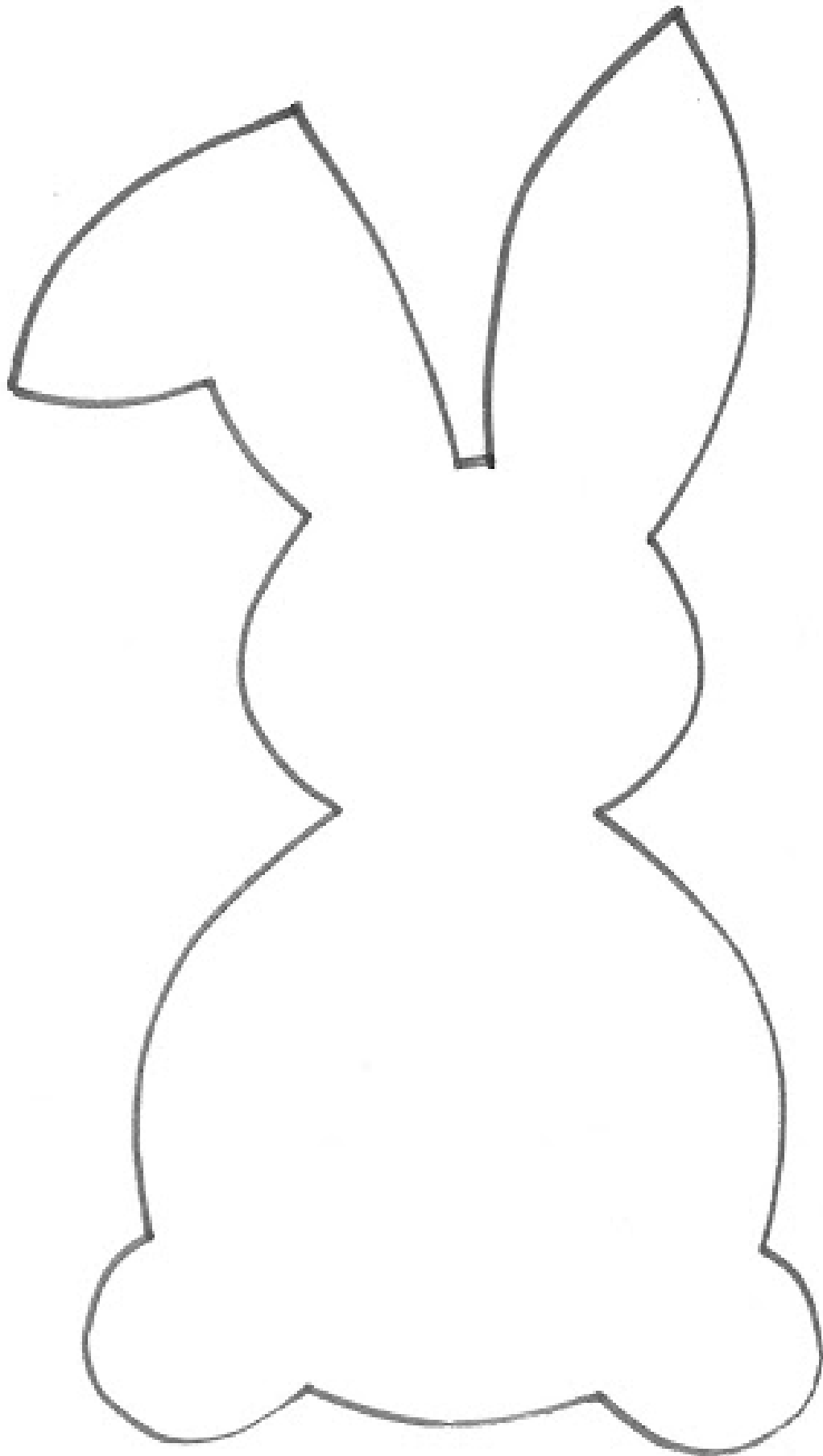
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Robot, cut out 2



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Rabbit,
cut out
2



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