

How to a build Bioloid Robo-Sumo competition ring

MATERIALS LIST

- 1 sheet 4 ft. wide x 3'6" high Ultra Board 3/16" rigid board or other suitable substrate. Ultra Board can be obtained at most art supply stores or sign shops. Contact: <http://www.ultraboard.com/> for local sources that sell Ultra Board.
- 8 ft of 24 inch wide matte black self adhesive vinyl available at sign shops and some art supplies or online at sites like <http://www.signwarehouse.com> or any other site that sells the products. Economy matte black vinyl is fine.
- Two 6 ft. (1 x 2 inch) furring strips (Try to select board with the straightest edges)
 - Cut into 2 pcs. at 36 inches
 - and 2 pcs. at 24 inches

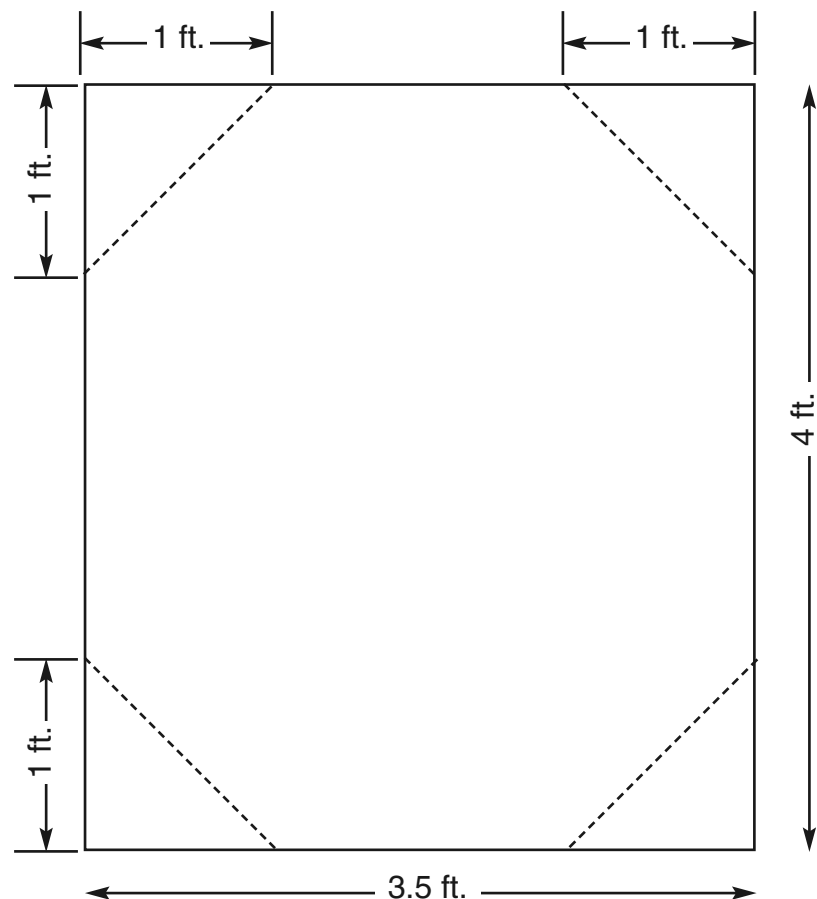
TOOLS REQUIRED

- Straight edge for cutting
- Box cutter or Xacto knife
- Measuring tape
- Vinyl squeegee (available at sign shops and art supply stores) or credit card

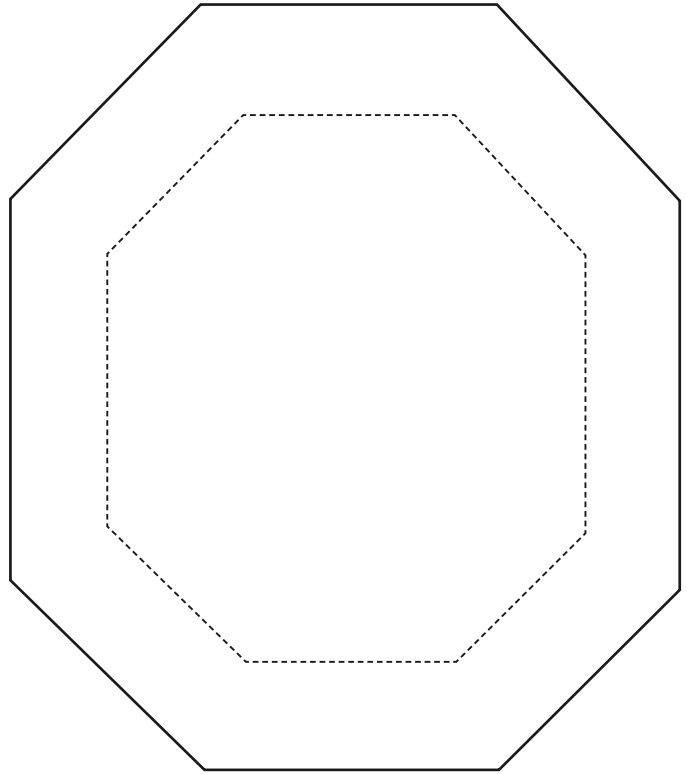


- Saw
- Hot Glue Gun and glue sticks

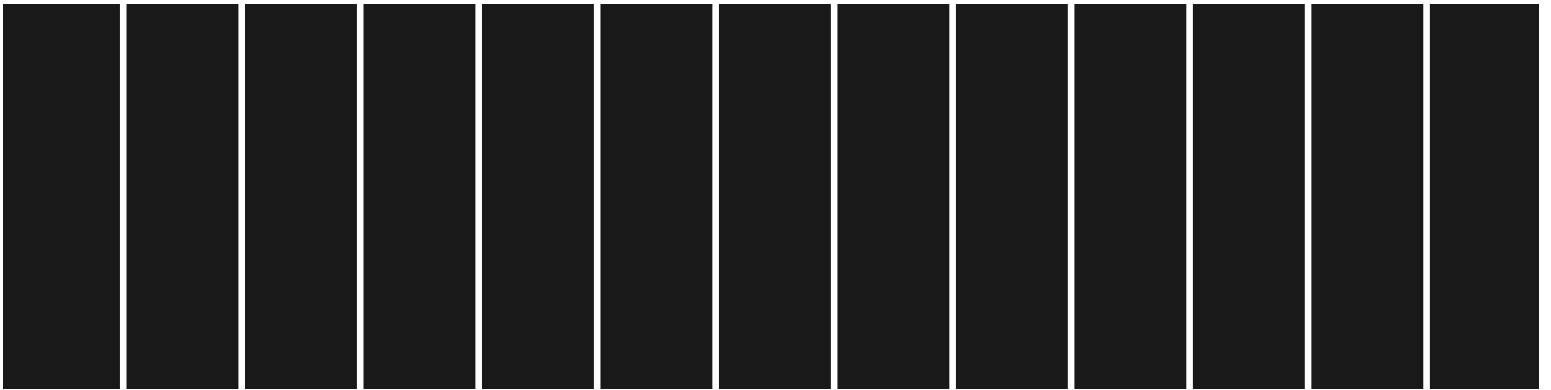
1. Mark 1 ft. from each corner along all 4 edges. Trim off corners.



2. Draw a guideline 6 inches in from all sides.



3. Cut vinyl into 8 inch x 2ft. strips.

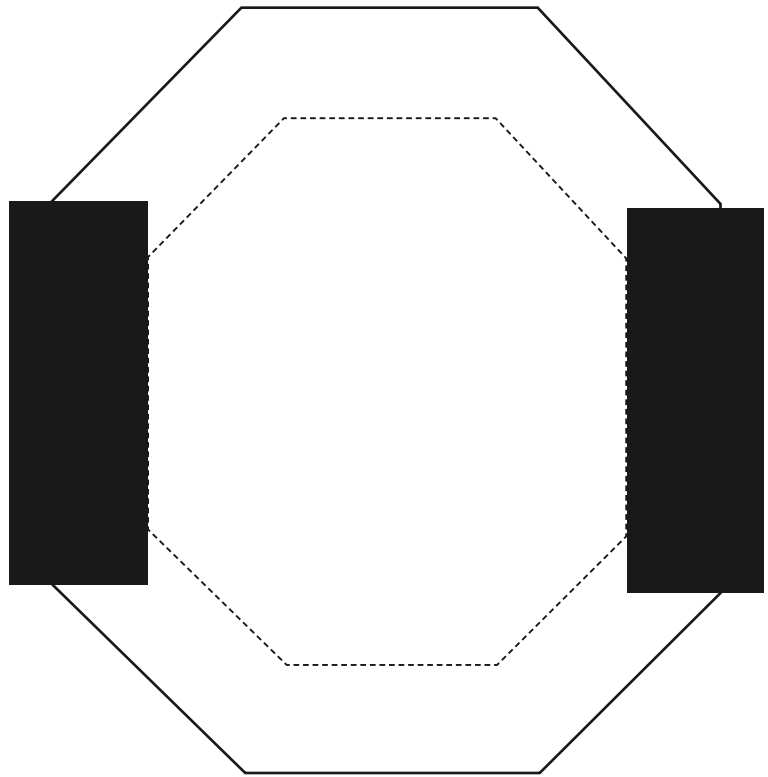


- 4.** Peel backing from vinyl and carefully place along edges following the pencil guideline.

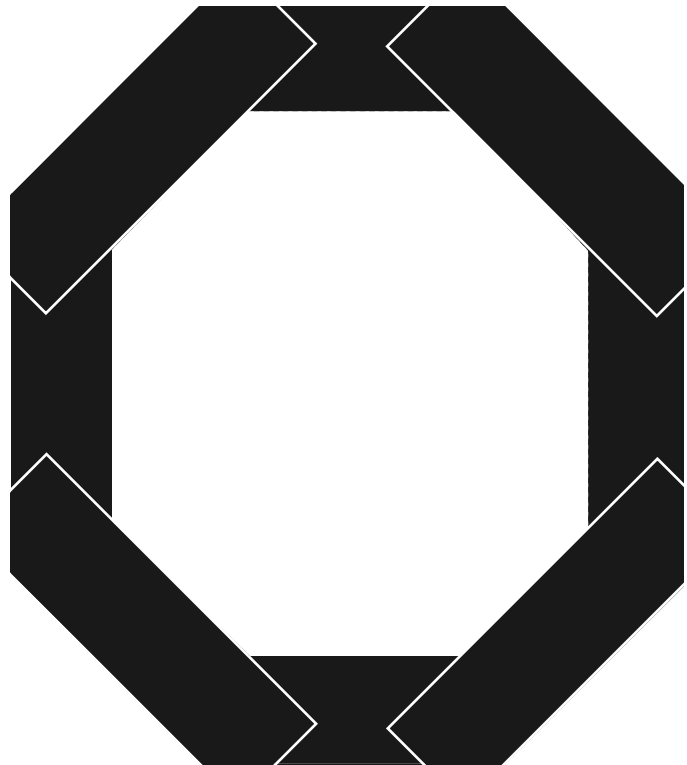
You may want someone to help hold the vinyl up to keep it from sticking before you have it positioned.

Then using a squeegee or credit card, apply even pressure, beginning at center and working outward to each edge to eliminate air pockets. Any air pockets may be pierced with a pin and smoothed. There are many Youtube videos available that show this vinyl application.

Trim as needed, then fold vinyl over edges onto bottom.



- 5.** Repeat on all sides, overlapping vinyl.



- 6.** Turn board over and place wooden pieces in position to form 24 x 36 inch base.

Draw pencil guidelines for wooden base. Use hot glue to affix each wooden piece.

