

# Week 08: Drawing

## Bezier (Control Handles)

### Watch:

S11 "The Pen Tool" (5m30s)

**Make:** The solid lines using the pen tool.

Find the pen tool by pressing the P Key.

### CIRCLES\*:

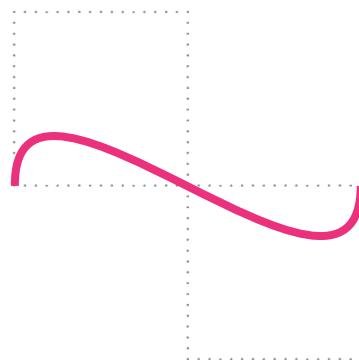
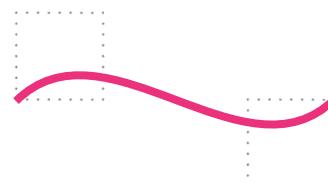
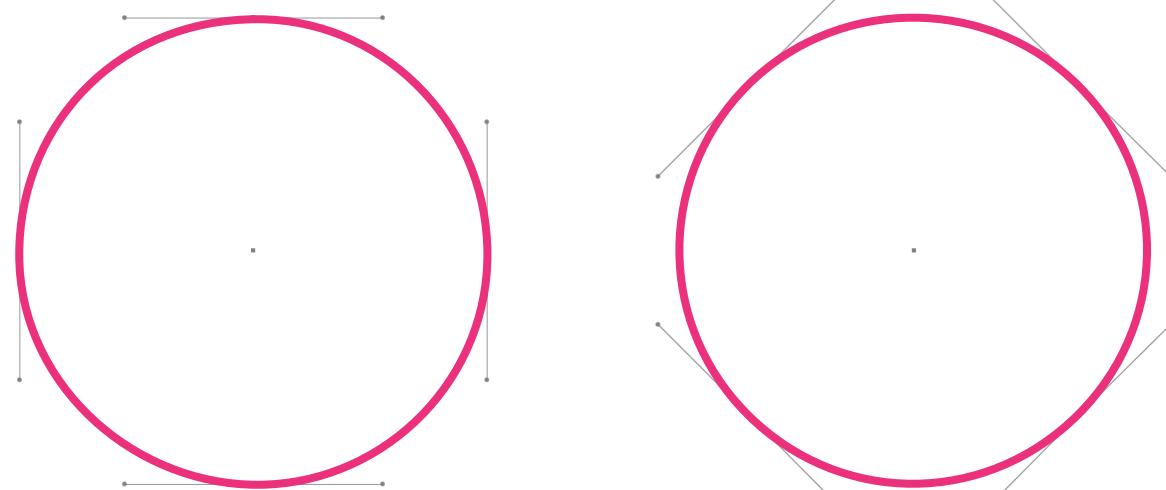
Make the circles by clicking and dragging with the pen tool (P). Match the handles to the ones shown.

### LINES\*:

Create these lines by clicking and dragging with the pen tool (P). Use only two points, one on either side.

*NOTE: The dotted line boxes are there to give you hints as to where the handles should go.*

\*add a stroke color, set the stroke size to 3pt, and give it NO fill for full credit.



# Path Adjustment

**Watch:** S11

"The Pen Tool (5m30s)" &  
"Improving Paths" (3m)

**Make:** Fixes to an existing path.

The points on the right are all in the proper place but the control handles need to be adjusted.

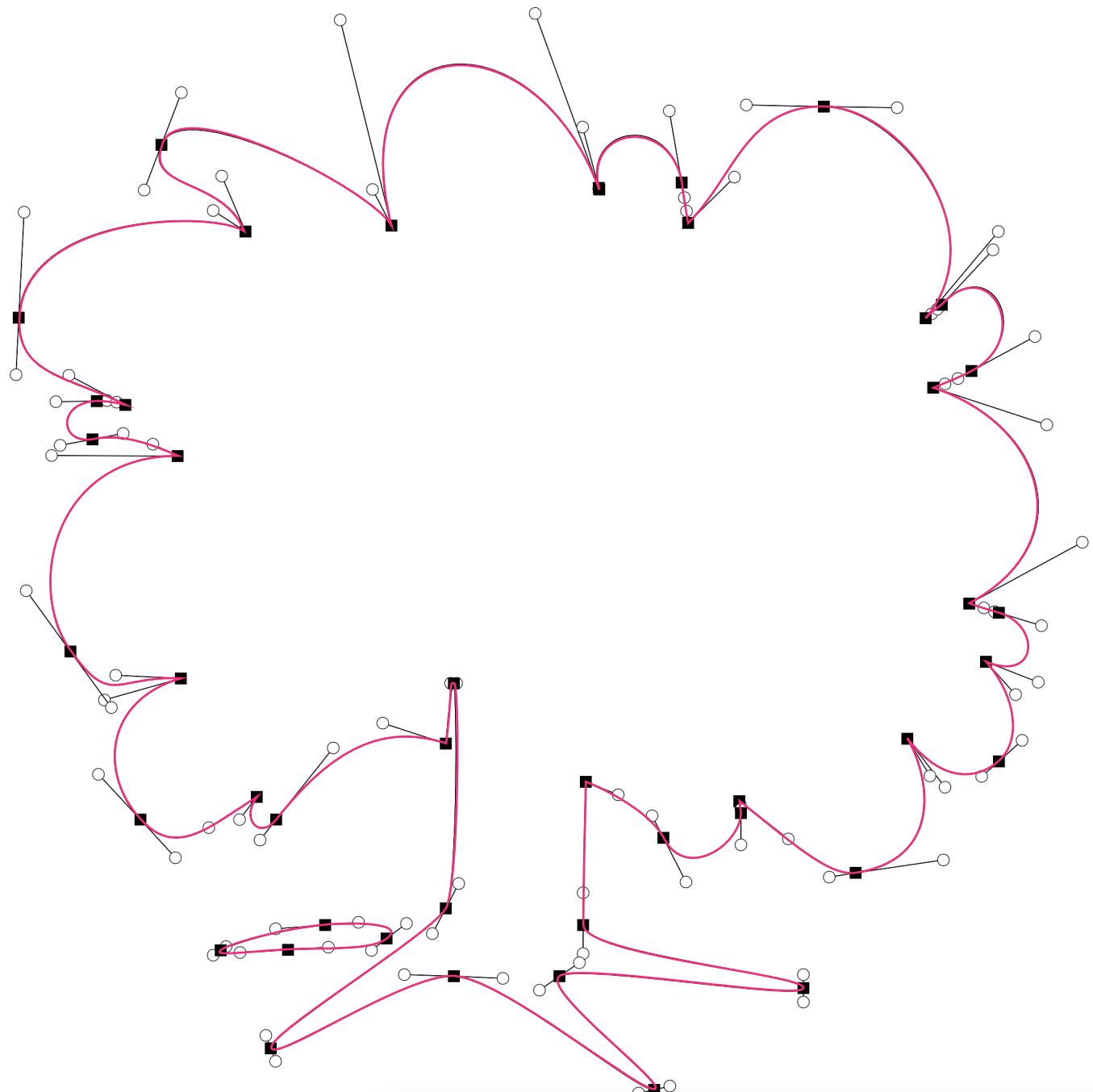
Use the white arrow (a) and the anchor point tool (shift + c) to adjust the path to match the underlying shape.

## WHITE ARROW (a)

The white arrow is for adjusting handles. Handles can be adjusted to be different lengths and sizes by pushing and pulling on them. To find the handles, use the white arrow to select the path or point you'd like to adjust.

## ANCHOR POINT TOOL (shift + c)

The anchor point tool is for breaking parallel handles to create sharp corners. You can also use the anchor point to click on a point to delete handles or click and drag to reset the handles.



# Pen Tool

(p)

**Watch:** S11

"Pen Tool (5m30s)"

**Make:** Draw the letters on the right with the pen tool.

1. Use the pen tool (p).

2. Use the "Pathfinder" panel to cut out the inside shapes (counters) of the lower case g using this button: 

3. Color the G in with some color other than the grey shown.

## CONSIDERATIONS:

- Clicking with the pen tool WITHOUT dragging makes straight lines.
- Look at the shape and place bezier points wherever the shape changes direction. (i.e. at the top, bottom, and sides of any arc)
- Don't worry about being perfect. Just try to place the points properly. You can always adjust the control handles later with the white arrow (a) and the anchor point tools (shift + c)

## OPTIONAL HOTKEYS:

- While using the pen tool, you can hold the cmd or ctrl button to return to the last arrow you've selected. Select the white arrow (a) then the pen tool (p) and you can adjust the control handles with the cmd/ctrl button held down.
- While using the pen tool, hold down the alt/opt key to access the anchor point tool.



# Curvature Pen Tool

(shift + ~)

**Watch:** S11

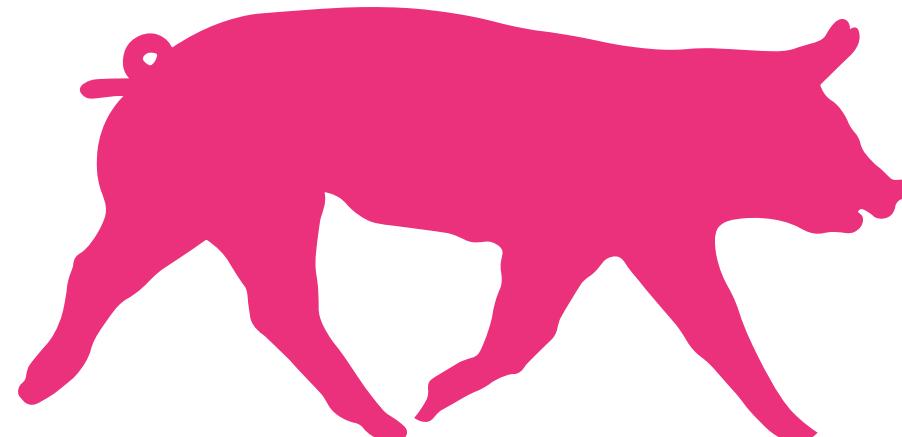
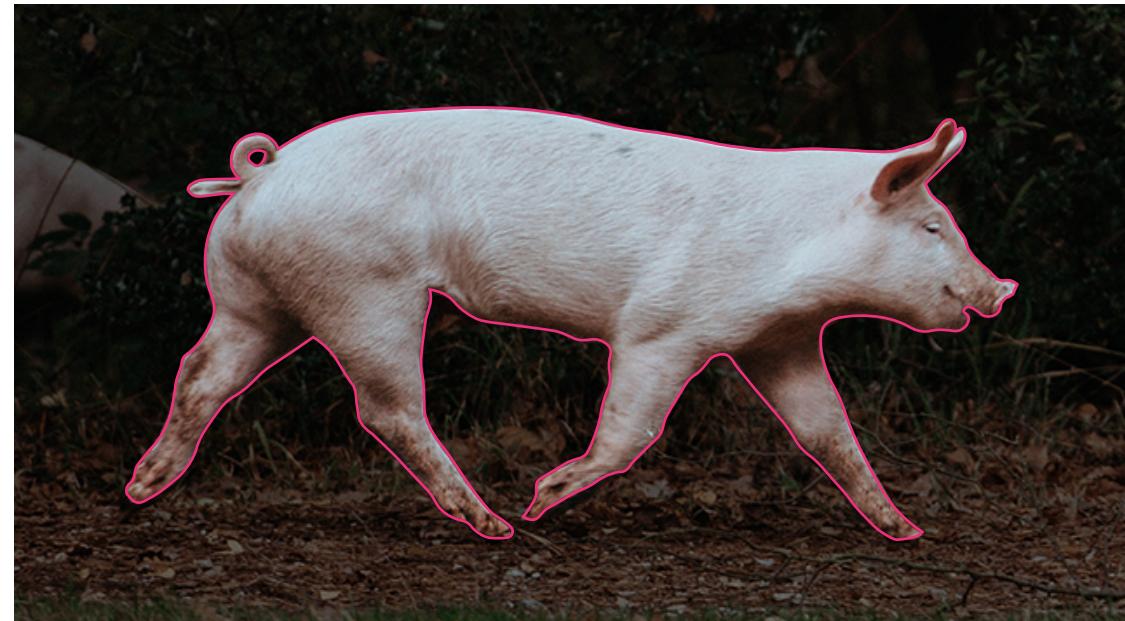
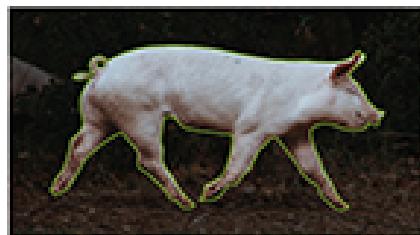
"The Curvature Pen Tool" (3m30s)

**Make:** a silhouette using the pig photo.

1. Use the curvature pen tool (shift + ~)

*NOTE: the curvature pen tool makes curves automatically. To make sharp turns double click on the last point created.*

2. Use the Pathfinder panel to cut a hole in the tail. 
3. Add a stroke to the path when finished.
4. Make a copy of the completed silhouette, drag it down, and fill it with a solid color. The final should look like this:



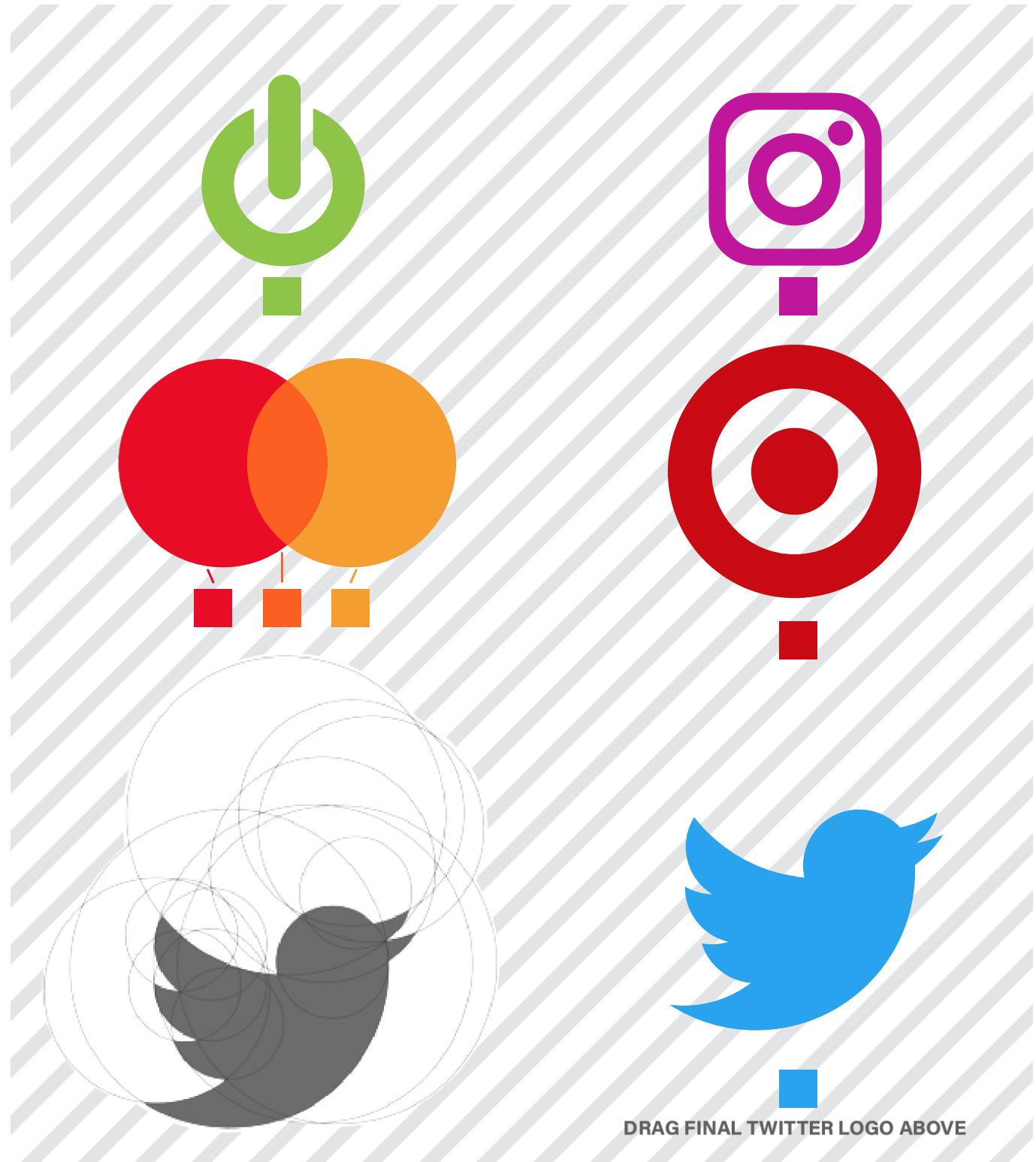
# Pathfinder Panel

## Watch:

S11  
"Compound Paths & Shapes" (4m) &  
"The Pathfinder panel" (3m)

## Make:

1. Open the pathfinder panel. From the dropdowns go to:  
Window > Pathfinder.
2. Draw the positive and negative shapes needed to create the logos.
3. Use the various pathfinder buttons to cut and divide shapes to create the marks.
4. Color the logos with the provided swatches. Select the shapes you'd like to color and use the eyedropper tool (i) to select the color swatches.



# Pencil Tool

(n)

**Watch:** S11

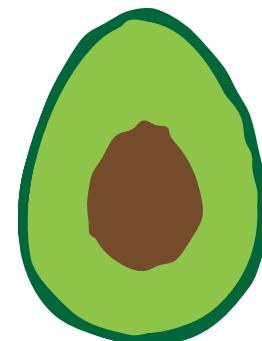
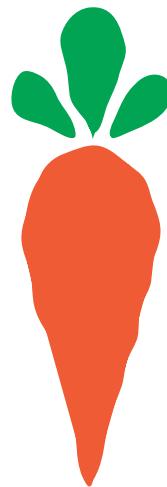
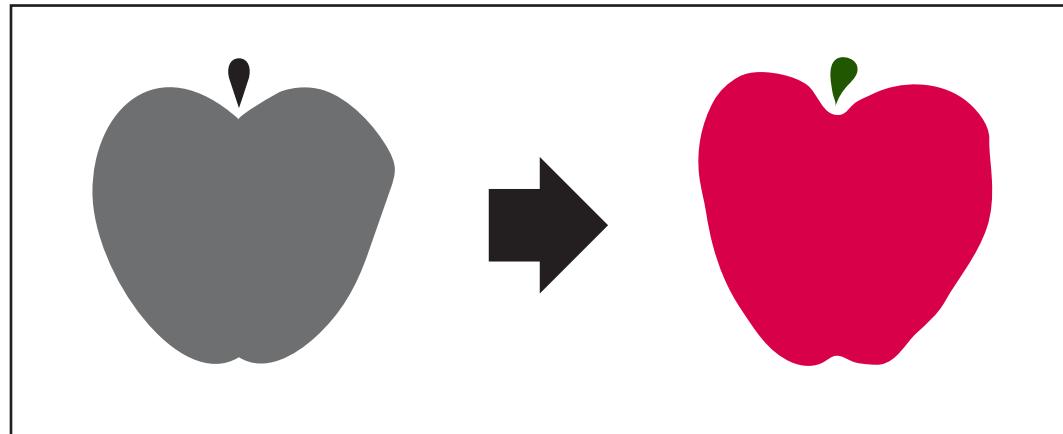
"The Pencil tool" (5m)

**Make:** The produce look more organic by adjusting the edges to seem more hand-drawn.

1. Use the Pencil tool (n) to adjust the existing edges. Also use the smooth tool as needed. The smooth tool is found under the pencil tool in the tool panel.

2. Color the fruit or vegetable accordingly.

*NOTE: The first one has been done for you.*



# Clipping Masks & Compound Paths

**Watch:** S10

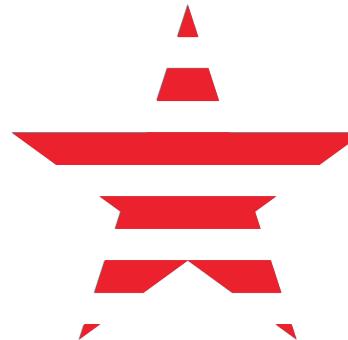
"Compound paths & shapes" (3m 58s) & "Clipping Masks" (5m 38s)

**Make:** Clipping masks. Recreate and color the icons on the right.

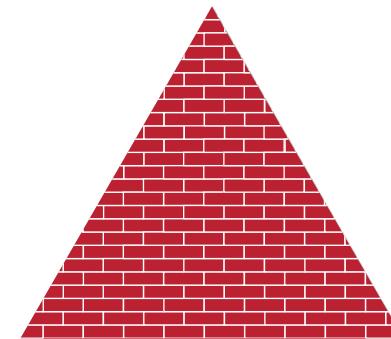
To create a clipping mask: the masking shape must be on top and everything you'd like to mask must be selected. Go to the dropdown Object > Clipping mask > Make

HOT KEY: cmd/cntrl + 7

1. Make six red stripes & five white stripes then clip them with an American star  
*NOTE: hold cmd/ctrl while drawing with the star tool*



1



2



3

2. Make bricks with white strokes then clip with and equilateral triangle.  
*NOTE: Cmd/Ctrl + D duplicates the last action. Consider dragging the bricks holding alt/opt to copy and then using Cmd/Ctrl + D.*

3. Recreate the mouse logo. Find a picture of a favorite Disney Character on the Internet. Send the image to the back. Select logo and the image and create a clipping mask.

4. Sunset clip:  
1. Select the word "SUNSET" to the right.  
2. Choose "Type > Create Outlines"  
3. Choose "Object > Compound Path > Make"  
4. Select both the word SUNSET & the image.  
5. Choose "Object > Clipping Mask > Make"

If you followed the instructions you should have an image that looks like this:

**SUNSET**

**SUNSET**

4