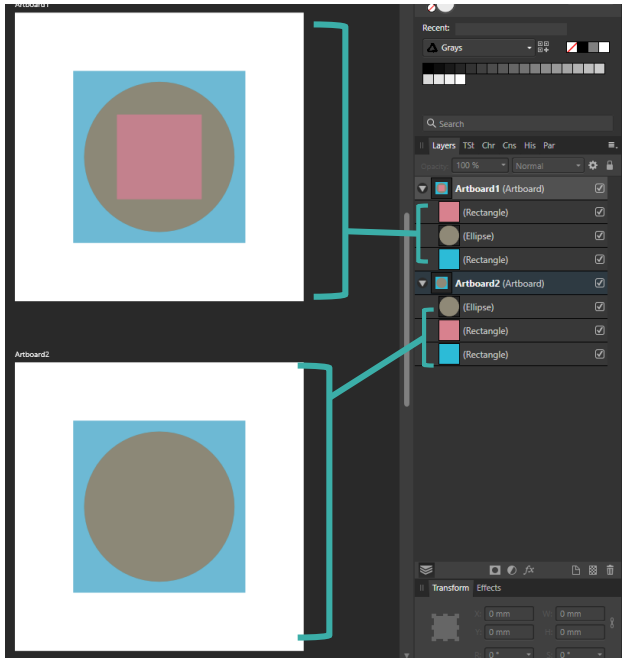
Vector graphics

The Basics

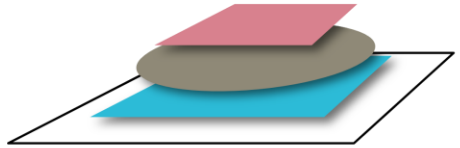
- Layers / Object order / Groups
- Path
- Nodes
- Object

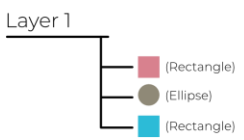
Layers / Object Order

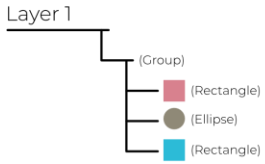
Objects Panel

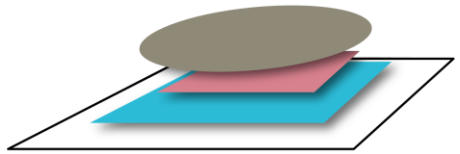


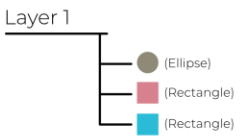
Order Structure

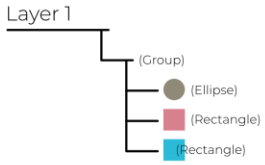












What you get

Object Groups

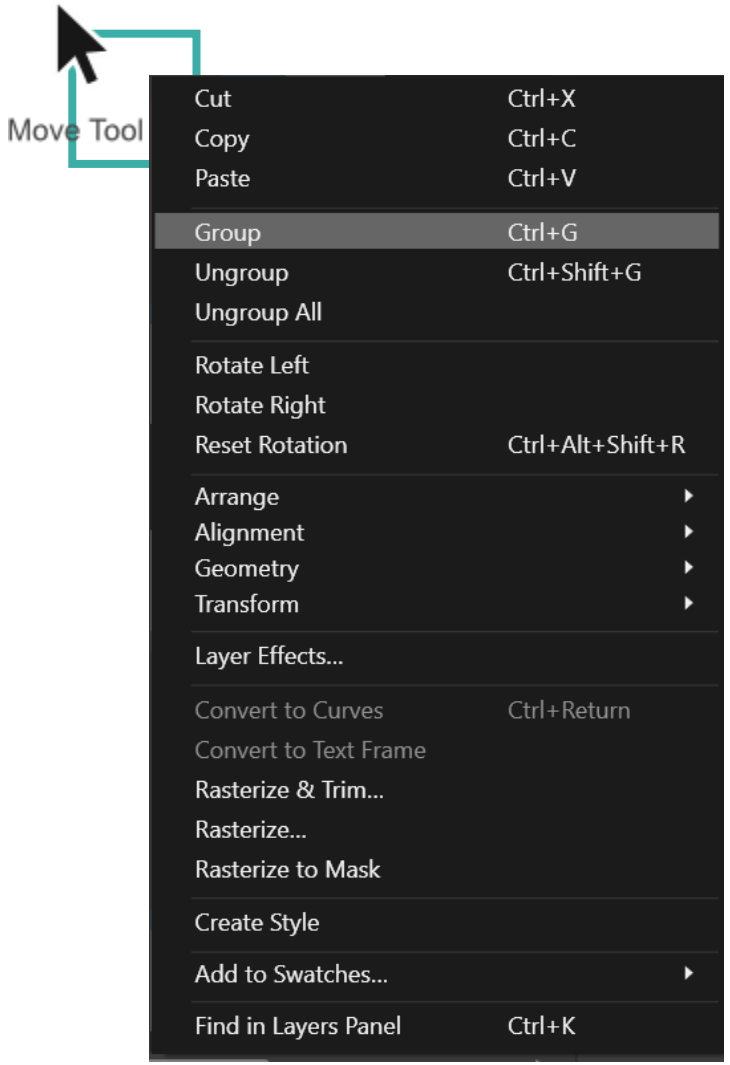
- Behave as One Object on select
- Double click selects single Object

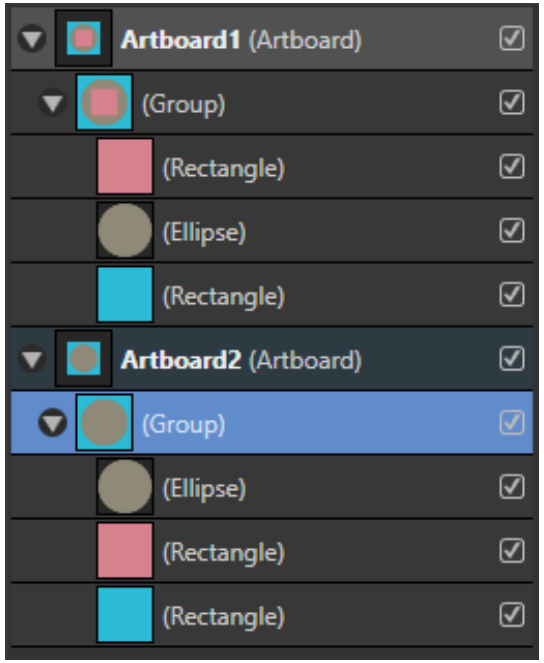
The many ways to group Objects

- Select multiple Objects and
  - Right click >Group
  - Layer Menu > Group
  - Crtl + g

Group actions:

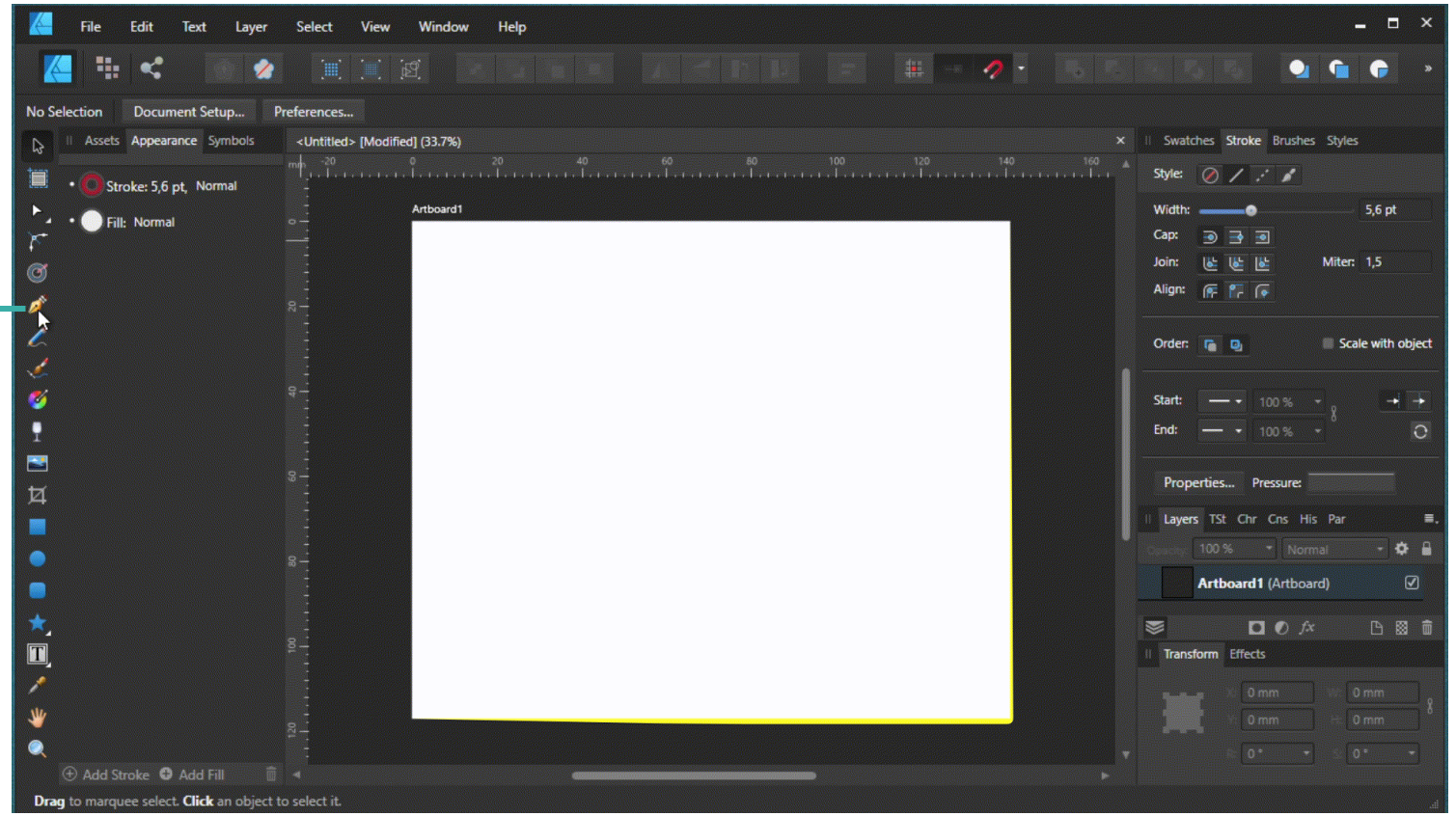
- Group
- Ungroup (current group)
- Ungroup all
  (current group and child groups)



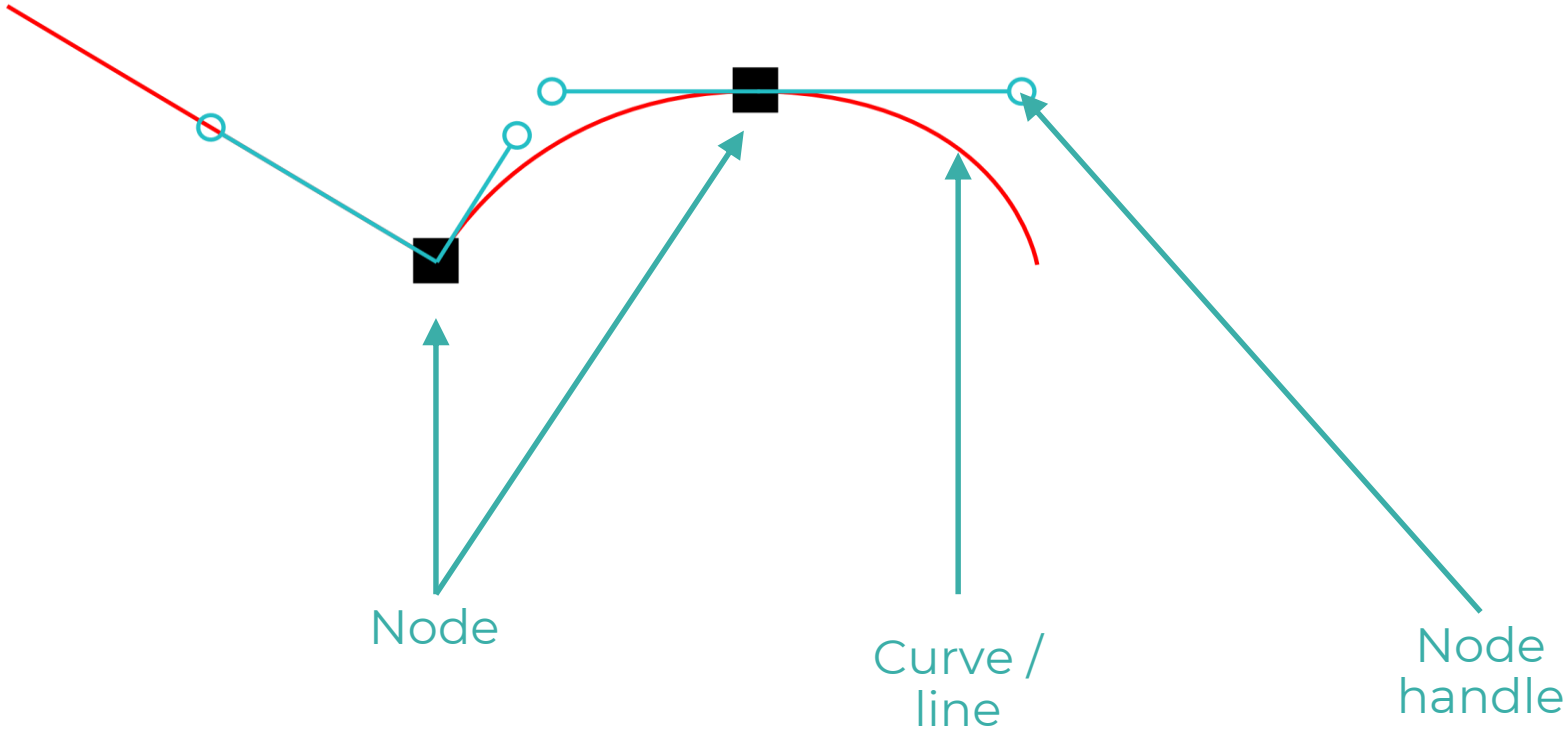


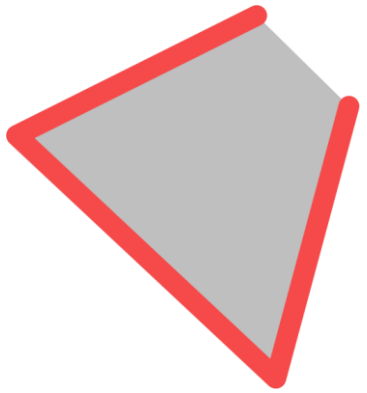
The Pen Tool

- Creates a new path
  - Simple click // simple corner
  - Click and drag // smooth Bezier-point

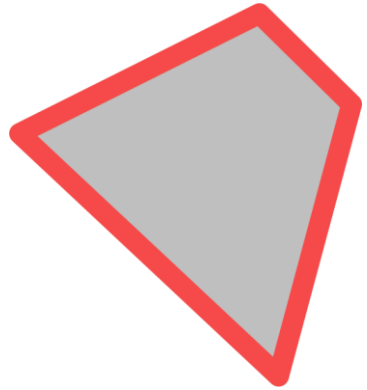


The Path // Vocabulary





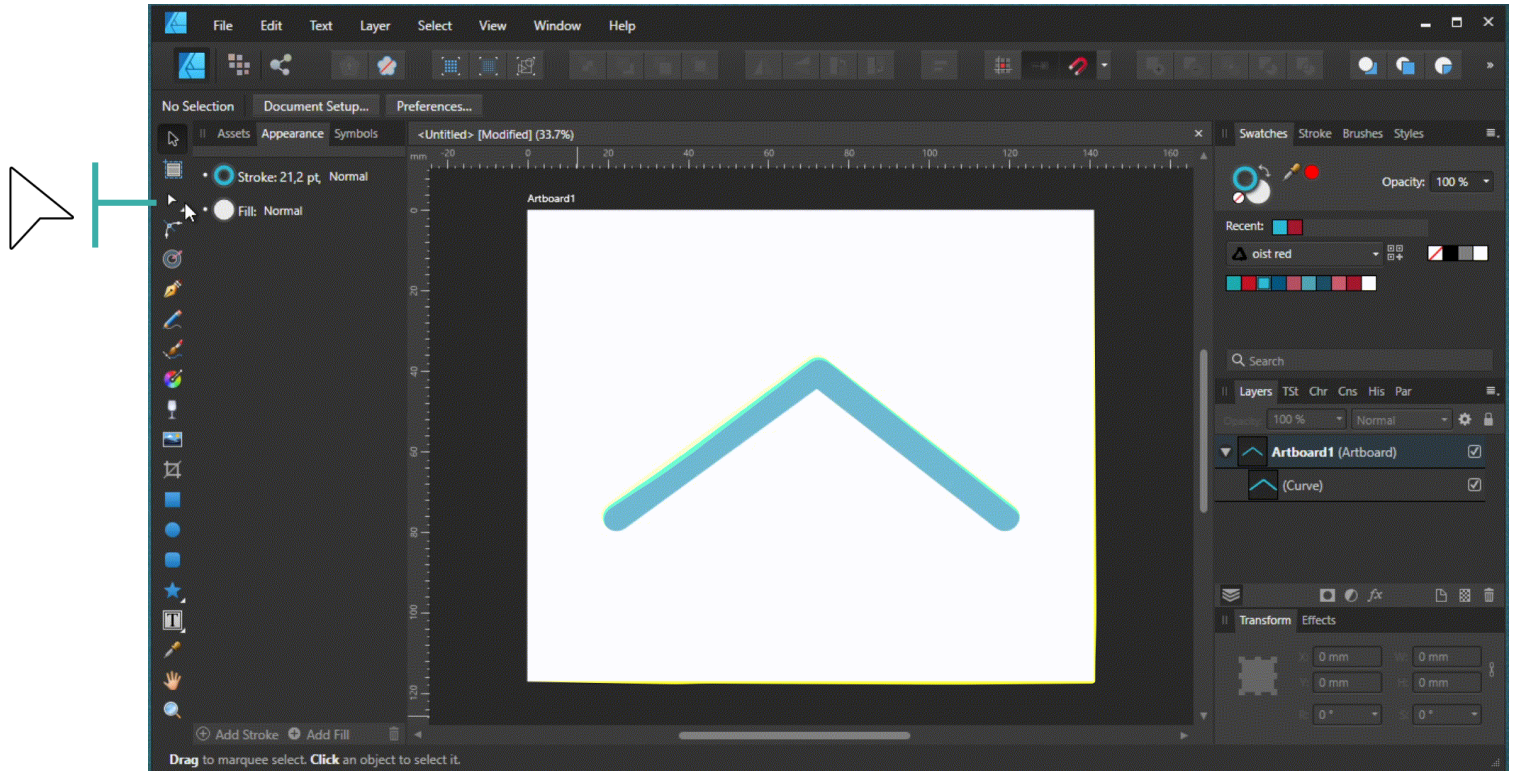
Open Path



Closed Path

The Node Tool

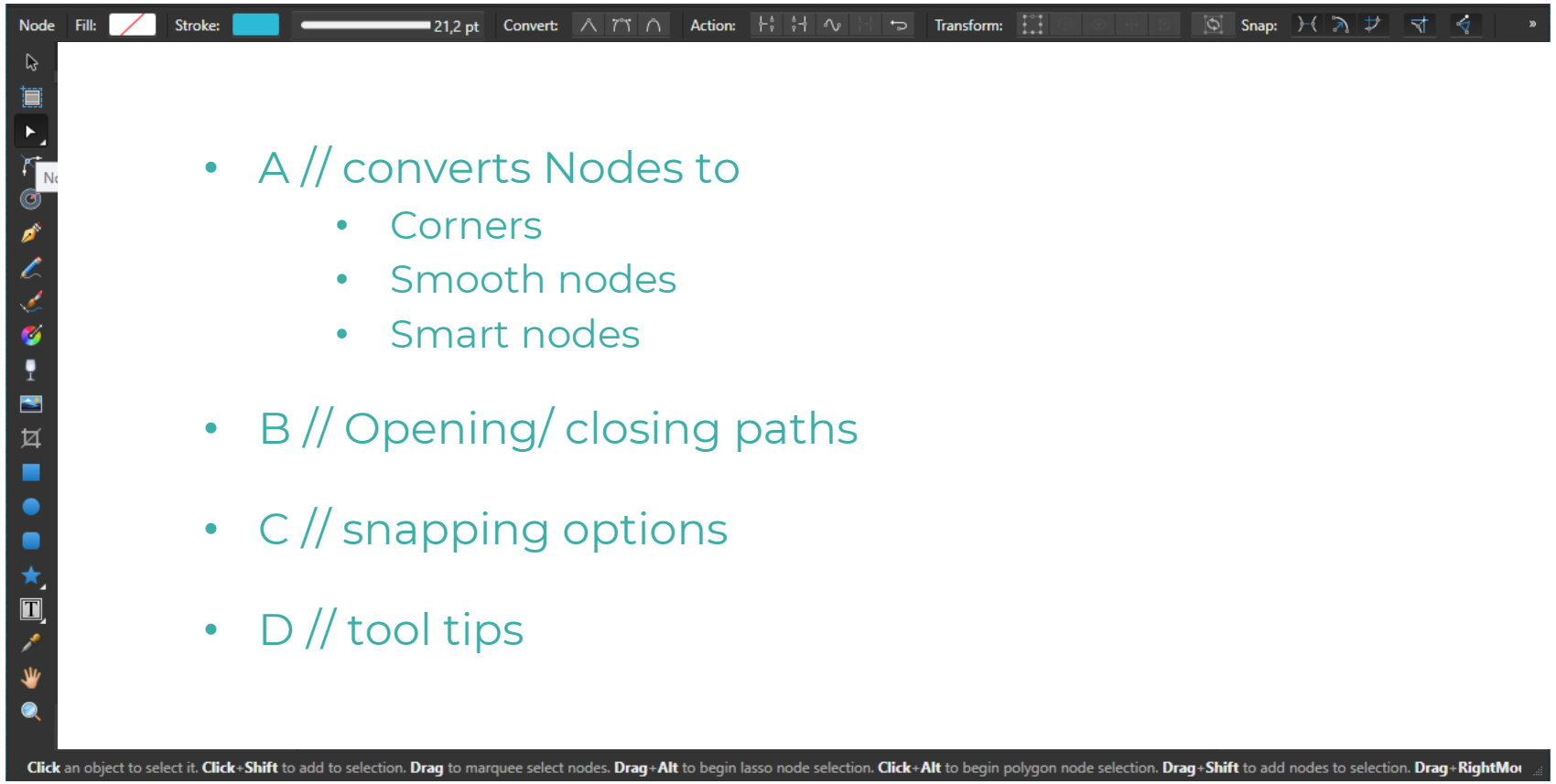
- Select and drag a Node
  - Simple click on Node // select Node
  - Click and drag Node // move Node
  - Double click on Line between Nodes // add new Node at that position
  - Right Click on Node // context sensitive menue



- Selecting the Node Tool enables Node actions in the top bar of the UI

Node actions

A B C

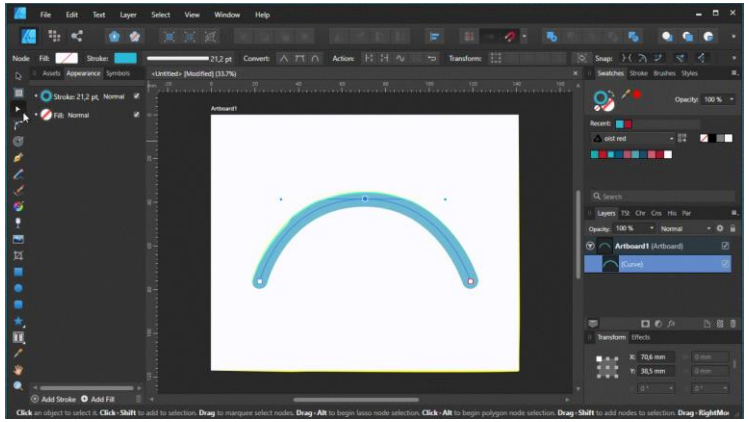


- A // converts Nodes to
  - Corners
  - Smooth nodes
  - Smart nodes
- B // Opening/ closing paths
- C // snapping options
- D // tool tips

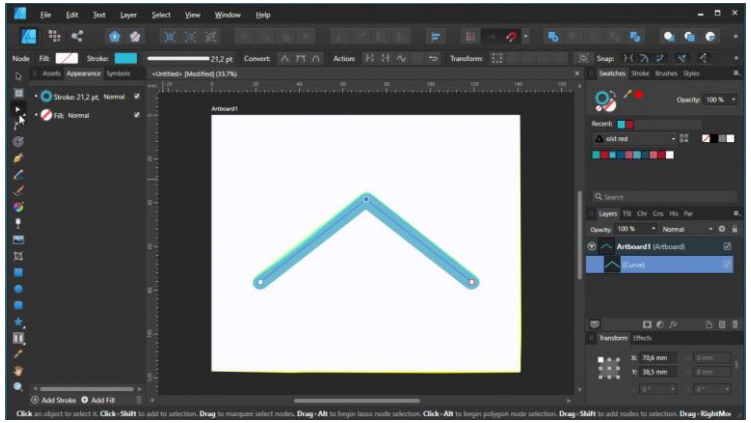
D

Node actions // convert Nodes

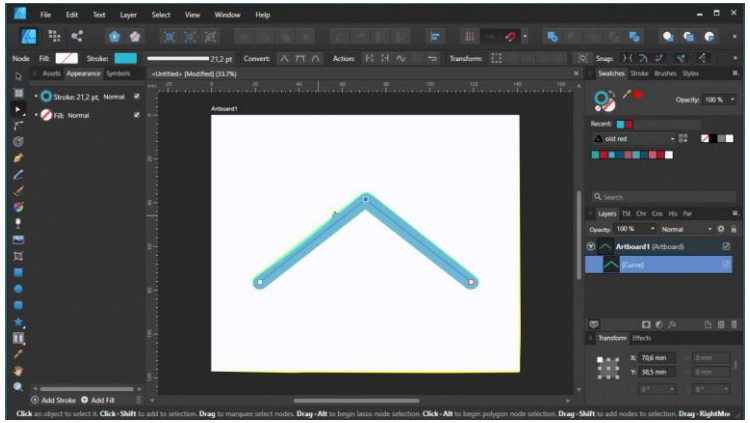
Corners



Smooth curves



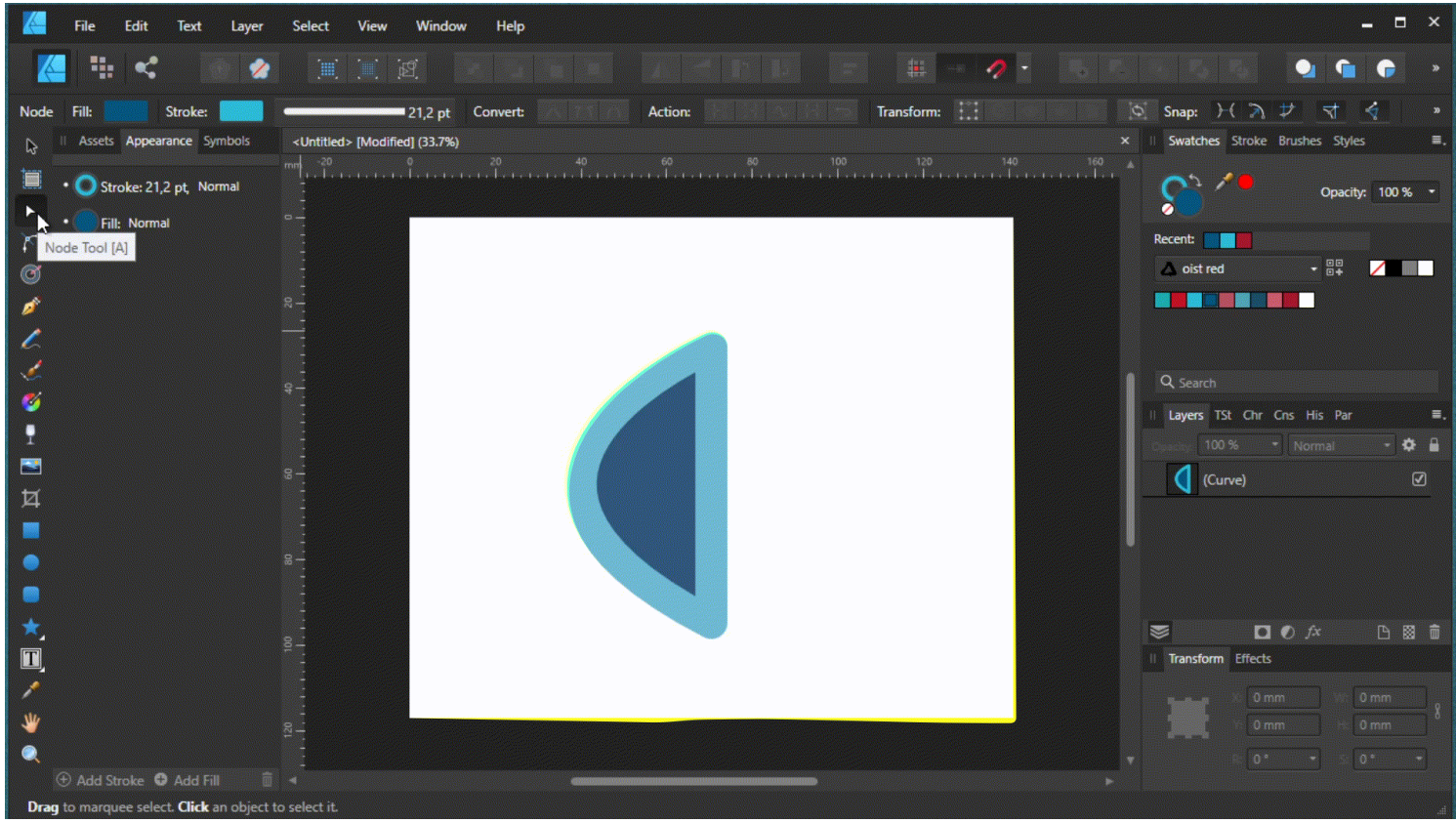
Mouse actions



Make outline into object

- Create Object with outline
  - Ctrl + alt+C
  - Layer menu / expand stroke

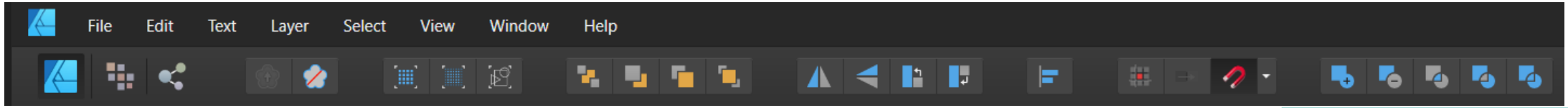
\+ Menu action



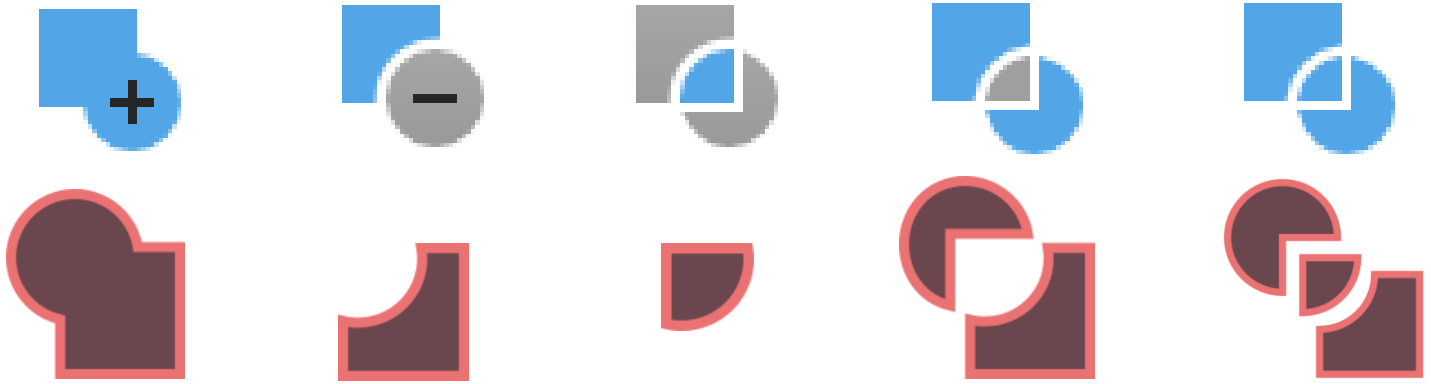
When is it usefull?

- “baking” a final design into as little objects as possible
- Adding outlines to outlines (for art reasons)
- Fusing lines into objects

Object Math ;)



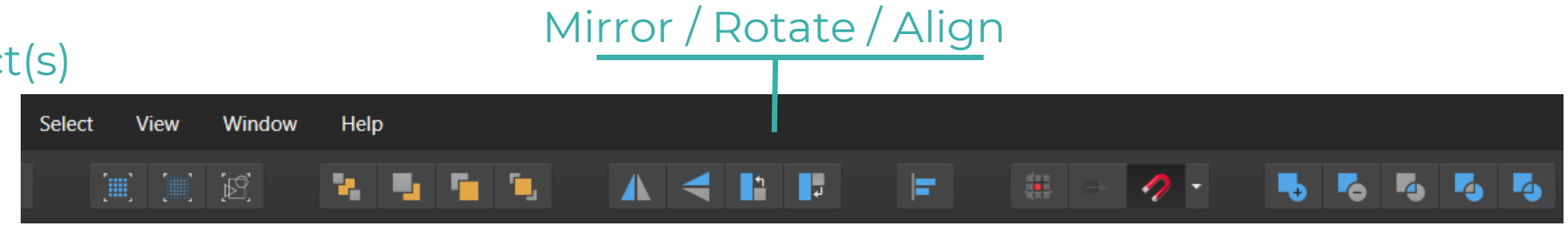
From 2
Objects to...



1 1 1 2 3

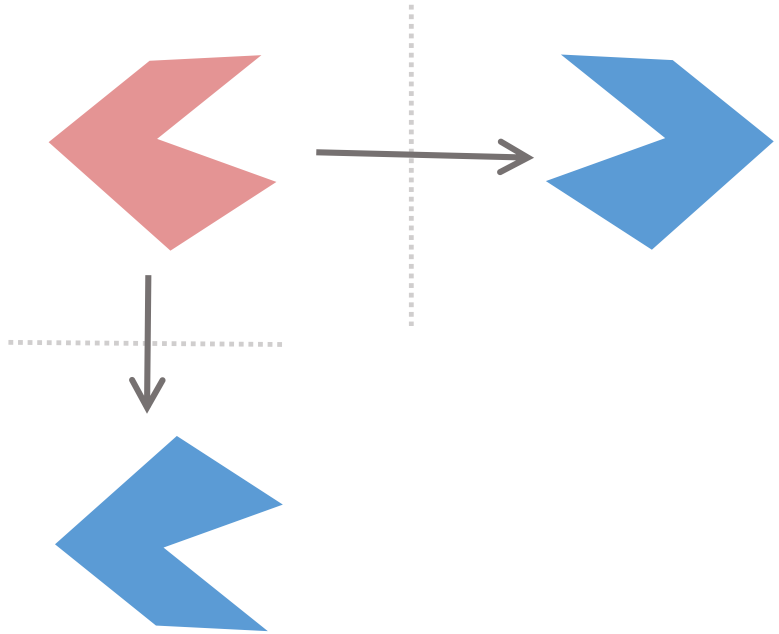
Mirroring objects

- Select one or more Object(s)
  - Click mirror icon



When is it usefull?

- Making symmetric objects (...)
- Making mirror effects (...)
- Easy form of variation for object crowds



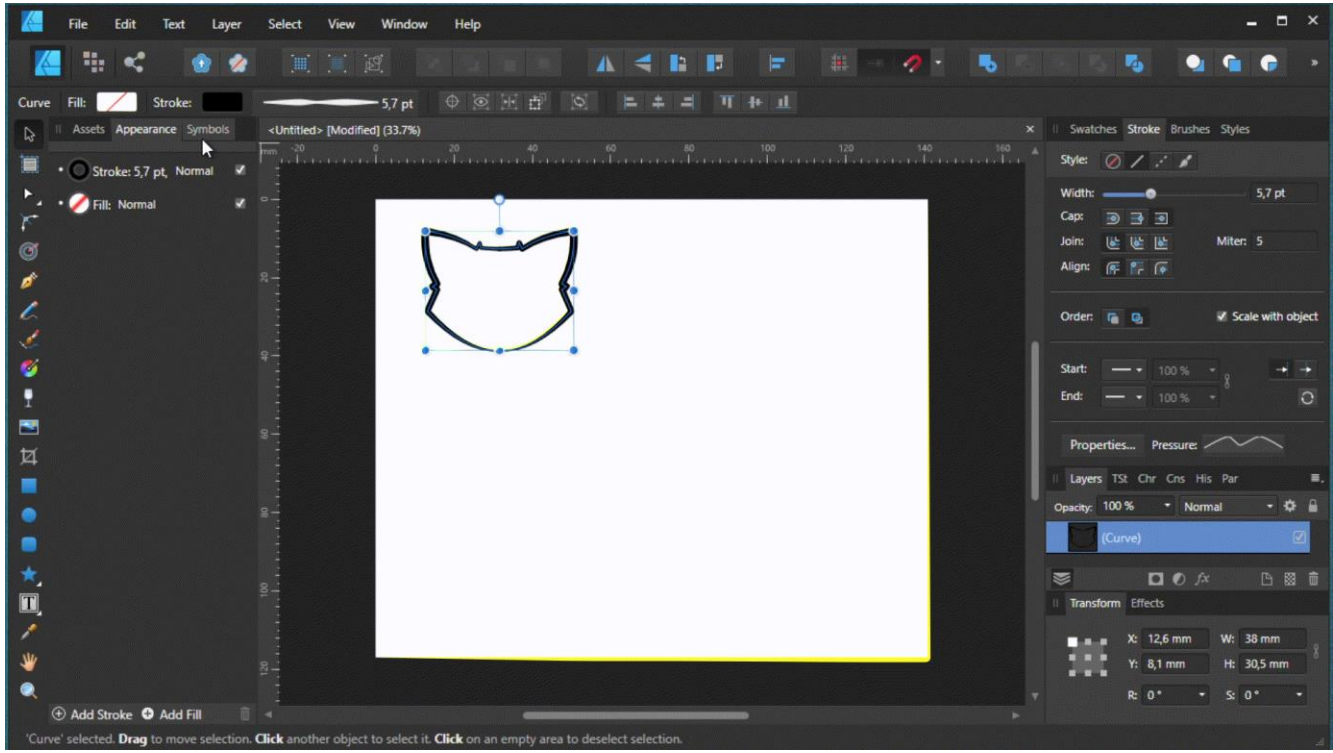
Vector graphics

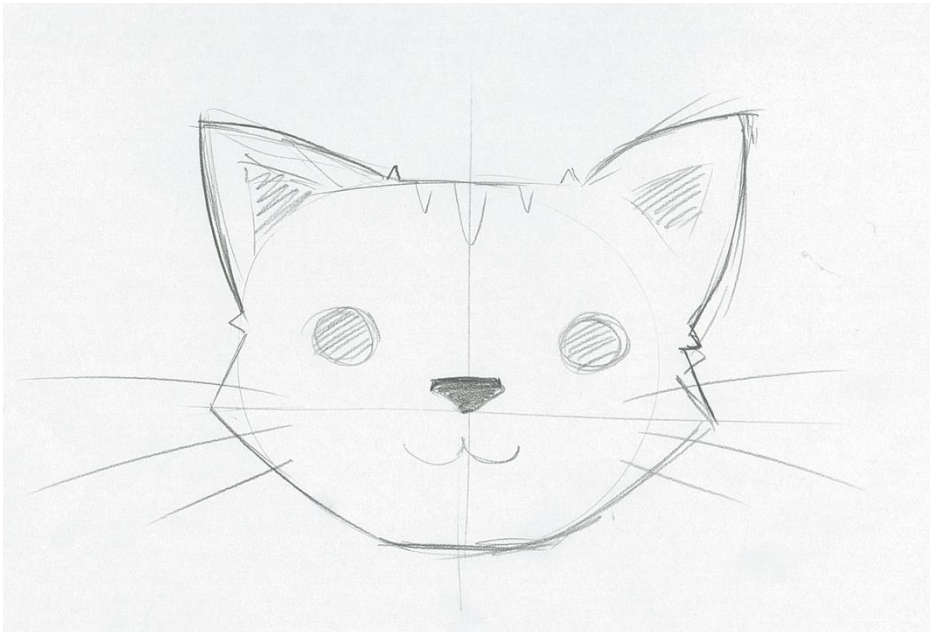
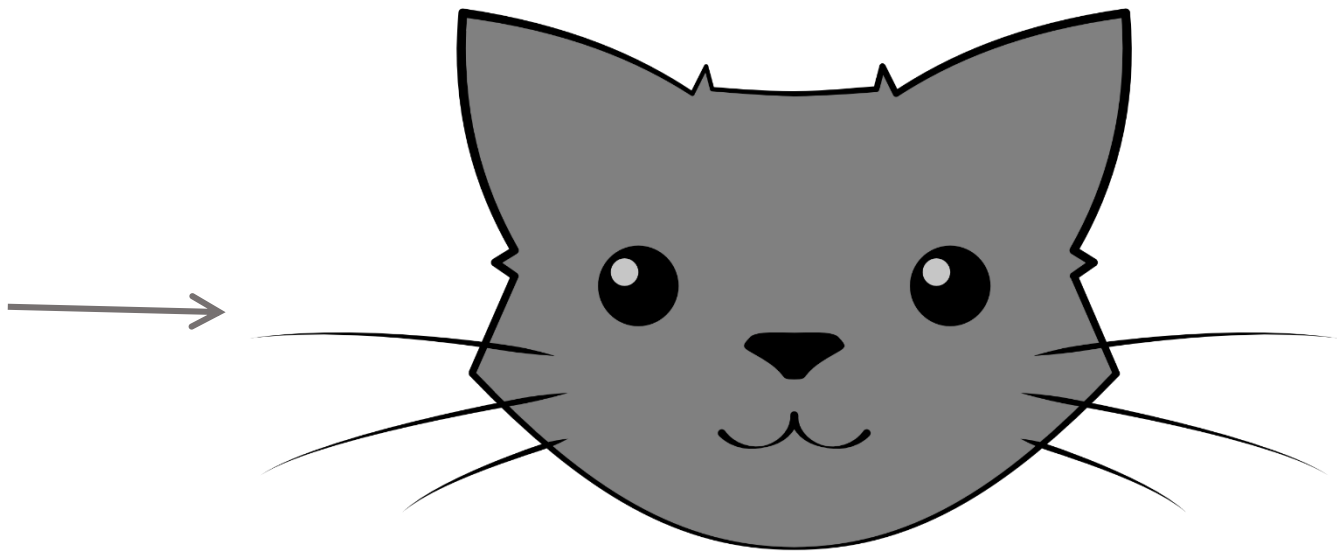
Symbols

- Open: View/ Studio/ Symbols
- Select one or more Object(s)
- “create” in Symbols panel

When is it usefull?

- When you need multiple objects with the same properties, that might need future editing
- Pattern creation



See also: https://affinityspotlight.com/article/how-to-use-symbols-in-affinity-designer/

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