

04 Class – Shapes, Paths, Pencil

Creating Shapes

1. Go to File > New. Choose Print from the document profile and make sure the units are set to inches. Click OK.
2. File > Save As and name the file Section Number_LastName_Pencil.ai
3. Go to Window > Workspace > Essentials
4. View > Show Grid. The grid does not print.
5. View > Show Rulers (Cmd R)

Using Basic Shapes

1. Hold down the mouse on the rectangle tool.
2. Drag to the tear off triangle on right and release the mouse. You can move the rectangle group by its title bar.

Drawing the Pencil Shape

Pencil Body Shape

1. Get the Zoom Tool and click in the middle of the window until you see 150% in the bottom left hand corner (status bar).
2. View > Smart Guides. Objects now snap to the guides. Text hints are also displayed.
3. Window > Transform and then Window > Info
4. Select the Rectangle tool and drag it to draw a rectangle approximately 0.75 inch wide by 1 inch tall. Notice the center point appears.
5. Look at the transform Panel and see the numbers. You can transform amounts if they are not correct.
6. With Rectangle Tool selected, position pointer over the center point, hold down the option button and drag diagonally from the center. Release the mouse first and then the option button.

The Eraser Shape

1. Select the Rounded Rectangle Tool and click once in artwork. Rounded Rectangle dialog box open. Type 0.75 width, press tab and the 0.75 in the height box. Press tab again and type 0.20 in Corner Radius box. Click OK.
2. View > Hide Bounding box.
3. To temporarily access the Selection Tool, hold down the Cmd Button. Select the right edge of the eraser without releasing the mouse and drag eraser to align with top of the body of pencil.

The Pencil Barrel Shapes

1. Click once in artwork area to access Rounded Rectangle area. When dialog box appears type 0.85 in width, 0.10 in height and 0.05 in corner radius box. Click OK.
2. Align the shape. Hold down the Option and Shift buttons and drag upward to create a duplicate. Release the mouse then the keys.
3. You have been working in Preview Mode. Go to View > Outline (Cmd Y) to see what the artwork looks like.

The Pencil Point and Lead Shape

1. Select the Polygon Tool and position pointer over center point of two rectangles.
2. Drag to begin but don't release the mouse. Press the Down Arrow three times to reduce the number of sides of the polygon to a triangle, and move the mouse in an arc to rotate one side of the triangle to the top. Before you release the mouse, hold down the space bar and drag the triangle down to position it below the pencil body. Then release the mouse.
3. View > Show Bounding Box and get the Selection Tool.
4. Make sure the Triangle is still selected and choose Object > Transform Reset Bounding Box.
5. With triangle selected, choose Edit > Copy (Cmd C) and Edit > Paste in Front (Cmd F). With Selection tool hold down Shift key and drag from top middle to desired point for Pencil Lead.

Group all items

1. Select all (Cmd A) and go to Object > Group (Cmd G).
2. You may rotate and fill your pencil with any colors you like.

Pencil Tool

1. The Pencil Tool Settings allow you to change how the tool works on paths you draw or edit.
 - a. **Fidelity** – Controls how far you have to move the mouse before a new anchor point is added to the path.
 - b. **Smoothness** – Controls amount of smoothing applied to tool. The higher the value the smoother the path.
 - c. **Fill New Pencil Strokes** – Applies a fill to pencil strokes after selecting this option, but not to existing pencil strokes.
 - d. **Keep Selected** – Determines whether to keep the path selected after you draw it. It is the default.
 - e. **Edit Selected Paths** – Determines whether or not you can change or merge an existing path in order to edit the path with the Pencil Tool. Only available when the Edit Selected Paths option is selected.