



Banha University  
Faculty Of Applied Arts  
Printing, Dyeing And Finishing Textiles



# COMPUTER DESIGN

second Grad

lecturer/ HEBA ATEF

Wednesday 18/3/2020

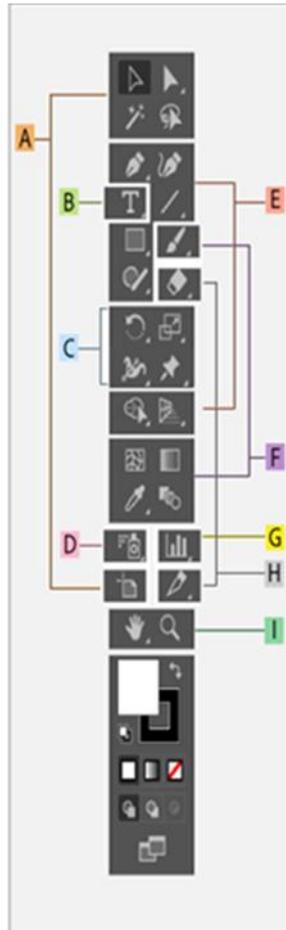
# CONTENT

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    - Symbol Tools.
    - Drawing Tools.
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# Tools Panel Overview

- ▶ The first time you open adobe illustrator , the Tools panel appears at the left side of the screen. You can move the Tools panel by dragging its title bar. You can also show or hide the Tools panel by choosing Window > Tools.
- ▶ You use tools in the Tools panel to create, select, and manipulate objects in Illustrator. Some tools have options that appear when you double-click a tool. These include tools that let you use type, and select, paint, draw, sample, edit, and move images. You can expand some tools to show hidden tools beneath them. A small triangle at the lower-right corner of the tool icon signals the presence of hidden tools. To see the name of a tool, position the pointer over it. You can also use the Tools panel to change the drawing mode from Draw Normal to Draw Behind or Draw Inside.

# Tools Panel



## A Selection tools

- Selection Tool (V)
- Direct Selection Tool (A)
- Group Selection Tool
- Magic Wand Tool (Y)
- Lasso Tool (Q)
- Artboard Tool (Shift+O)

## B Type tools

- T Type Tool (T)
- Area Type Tool
- Type On A Path Tool
- Vertical Type Tool
- Vertical Area Type Tool
- Vertical Type On A Path Tool
- Touch Type Tool (Shift+T)

## C Reshaping tools

- Rotate Tool (R)
- Reflect Tool (O)
- Scale Tool (S)
- Shear Tool
- Reshape Tool
- Width Tool (Shift+W)
- Warp Tool (Shift+R)
- Twirl Tool
- Pucker Tool
- Bloat Tool
- Scallop Tool
- Crystallize Tool
- Wrinkle Tool
- Puppet Warp Tool
- Free Transform Tool (E)

## D Symbol tools

- Symbol Sprayer Tool (Shift+S)
- Symbol Shifter Tool
- Symbol Scruncher Tool
- Symbol Sizer Tool
- Symbol Spinner Tool
- Symbol Stainer Tool
- Symbol Screener Tool
- Symbol Styler Tool

## E Drawing tools

- Pen Tool (P)
- Add Anchor Point Tool (+)
- Delete Anchor Point Tool (-)
- Anchor Point Tool (Shift+C)
- Curvature Tool (Shift+~)
- Line Segment Tool (l)
- Arc Tool
- Spiral Tool
- Rectangular Grid Tool
- Polar Grid Tool
- Rectangle Tool (M)
- Rounded Rectangle Tool
- Ellipse Tool (L)
- Polygon Tool
- Star Tool
- Flare Tool
- Shaper Tool (Shift+N)
- Pencil Tool (N)
- Smooth Tool
- Path Eraser Tool
- Join Tool
- Perspective Grid Tool (Shift+P)
- Perspective Selection Tool (Shift+V)
- Shape Builder Tool (Shift+M)

## F Painting tools

- Paintbrush Tool (B)
- Blob Brush Tool (Shift+B)
- Mesh Tool (U)
- Gradient Tool (G)
- Eyedropper Tool (I)
- Measure Tool
- Shape Builder Tool (Shift+M)
- Live Paint Bucket (K)
- Live Paint Selection Tool (Shift+L)
- Blend Tool (W)

## G Graph tools

- Column Graph Tool (J)
- Stacked Column Graph Tool
- Bar Graph Tool
- Stacked Bar Graph Tool
- Line Graph Tool
- Area Graph Tool
- Scatter Graph Tool
- Pie Graph Tool
- Radar Graph Tool

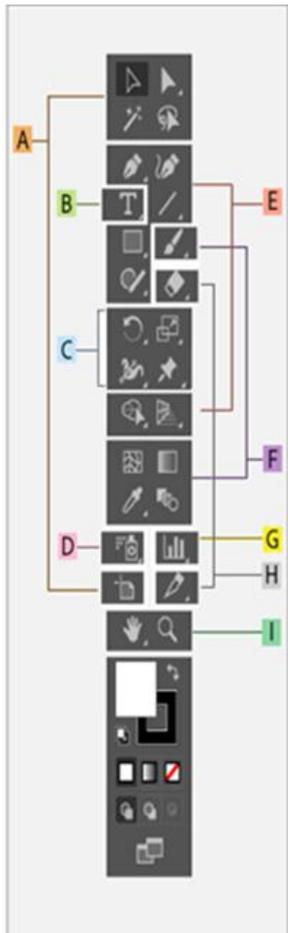
## H Slicing and cutting tools

- Slice Tool (Shift+K)
- Slice Selection Tool
- Eraser Tool (Shift+E)
- Scissors Tool (C)
- Knife

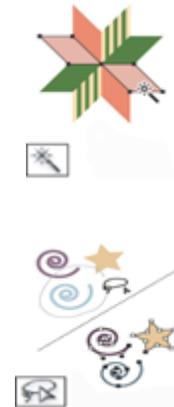
## I Moving and zooming tools

- Hand Tool (H)
- Print Tiling Tool
- Zoom Tool (Z)

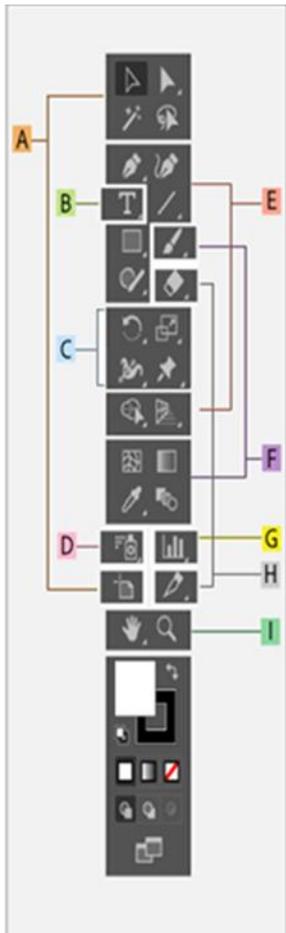
# Selection Tools



- A** Selection tools
-  Selection Tool (V)
-  Direct Selection Tool (A)
-  Group Selection Tool
-  Magic Wand Tool (Y)
-  Lasso Tool (Q)

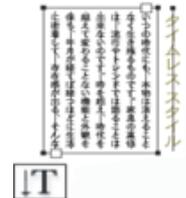
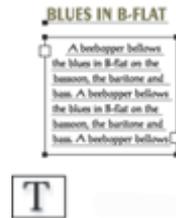


# Type Tools

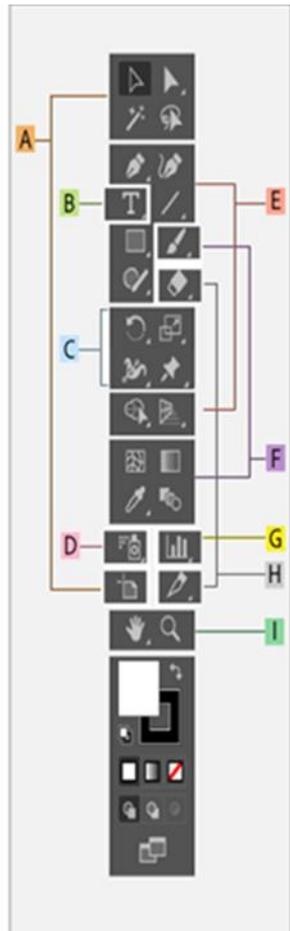


## B Type tools

- T Type Tool (T)
- Area Type Tool
- Type On A Path Tool
- Vertical Type Tool
- Vertical Area Type Tool
- Vertical Type On A Path Tool

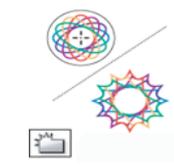
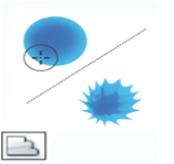
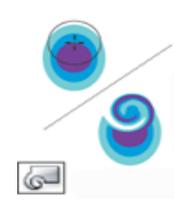
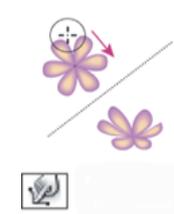
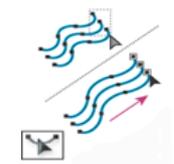
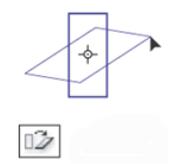
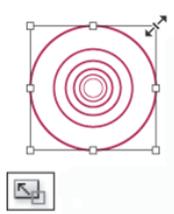
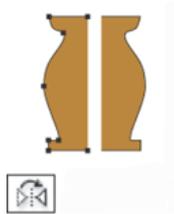
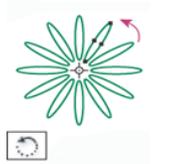


# Reshaping Tools

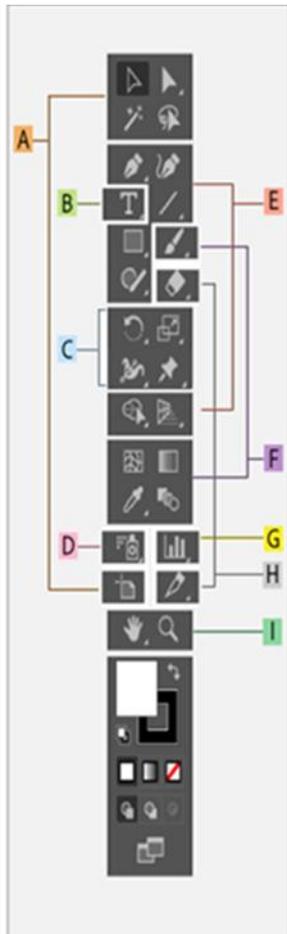


## C Reshaping tools

- Rotate Tool (R)
- Reflect Tool (O)
- Scale Tool (S)
- Shear Tool
- Reshape Tool
- Width Tool (Shift+W)
- Warp Tool (Shift+R)
- Twirl Tool
- Pucker Tool
- Bloat Tool
- Scallop Tool
- Crystallize Tool
- Wrinkle Tool
- Puppet Warp Tool
- Free Transform Tool (E)

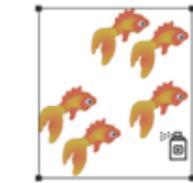


# Symbol Tools

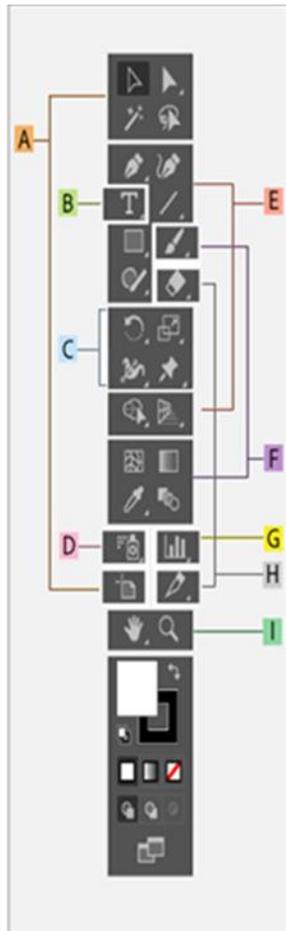


## D Symbol tools

-  Symbol Sprayer Tool (Shift+S)
-  Symbol Shifter Tool
-  Symbol Scruncher Tool
-  Symbol Sizer Tool
-  Symbol Spinner Tool
-  Symbol Stainer Tool
-  Symbol Screener Tool
-  Symbol Styler Tool



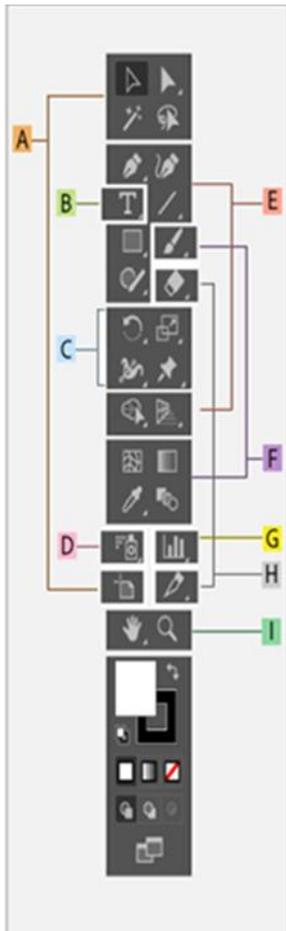
# Drawing Tools



- E Drawing tools**
- Pen Tool (P)
  - Add Anchor Point Tool (+)
  - Delete Anchor Point Tool (-)
  - Anchor Point Tool (Shift+C)
  - Curvature Tool (Shift+~)
  - Line Segment Tool (L)
  - Arc Tool
  - Spiral Tool
  - Rectangular Grid Tool
  - Polar Grid Tool
  - Rectangle Tool (M)
  - Rounded Rectangle Tool
  - Ellipse Tool (L)
  - Polygon Tool
  - Star Tool
  - Flare Tool
  - Shaper Tool (Shift+N)
  - Pencil Tool (N)
  - Smooth Tool
  - Path Eraser Tool



# Painting Tools



## F Painting tools

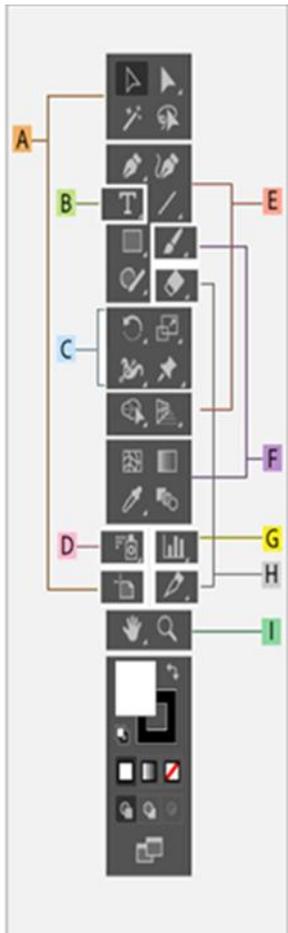
-  Paintbrush Tool (B)
-  Blob Brush Tool (Shift+B)
-  Mesh Tool (U)
-  Gradient Tool (G)
-  Eyedropper Tool (I)
-  Measure Tool
-  Shape Builder Tool (Shift+M)
-  Live Paint Bucket (K)
-  Live Paint Selection Tool (Shift+L)
-  Blend Tool (W)



COLOR

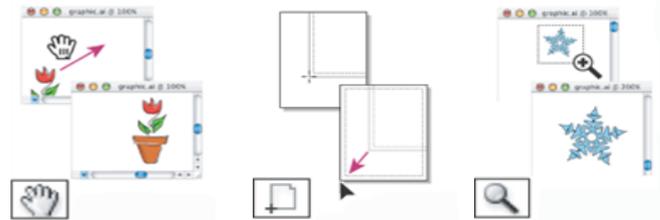


# Moving And Zoom Tools

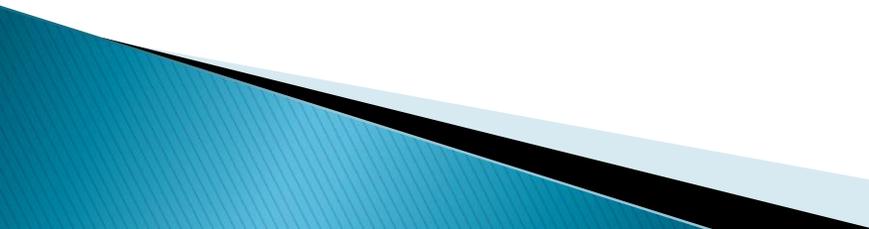


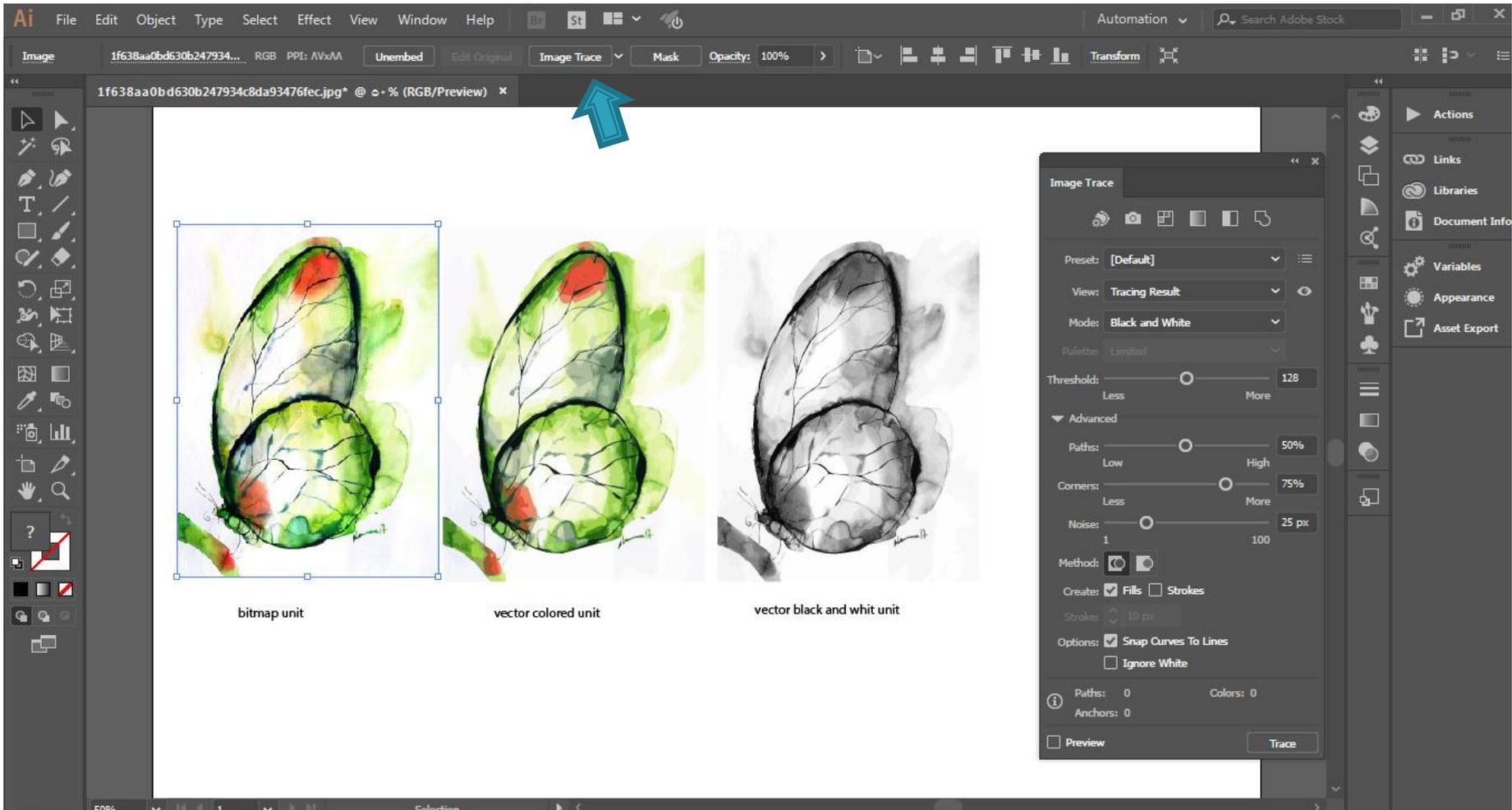
## I Moving and zooming tools

- Hand Tool (H)
- Print Tiling Tool
- Zoom Tool (Z)



# Using Image Trace

1. Open or place a bitmap image to use as a source.
  2. With the placed image selected, do one of the following:
    - ▶ Choose Object > Image Trace > Make to trace with default parameters.
    - ▶ Choose Window > Image Trace, and choose one of the default presets by clicking on the icons on top of the panel.
    - ▶ Choose Window > Image Trace and choose a preset or specify the tracing options. In the Image Trace panel, enable Preview to see the results of your modifications.
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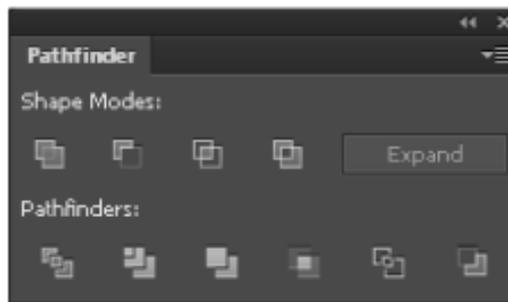


# Combining Objects

- Methods of combining objects
  - ▶ Pathfinder.
  - ▶ Compound shapes.
  - ▶ Compound paths.

# Pathfinder Effects

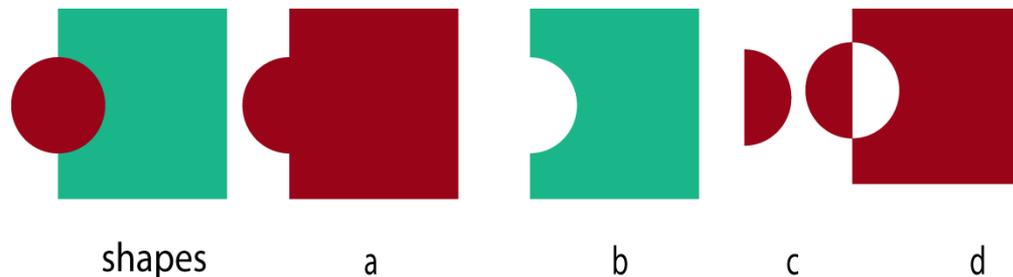
- ▶ Pathfinder effects let you combine multiple objects using one of ten interaction modes. Unlike compound shapes, you can't edit the interactions between objects when you use a Pathfinder effect. You use the Pathfinder panel (Window > Pathfinder).



*Pathfinder panel*

# Shapes modes

- A. Add To Shape Area Adds the area of the component to the underlying geometry.
- B. Subtract from Shape Area Cuts out the area of the component from the underlying geometry.
- C. Intersect Shape Areas Uses the area of the component to clip the underlying geometry as a mask would.
- D. Exclude Overlapping Shape Areas Uses the area of the component to invert the underlying geometry, turning filled regions into holes and viceversa.



# Pathfinder Effects

- A. **Divide** Separates a piece of artwork into its component filled faces (a face is an area undivided by a line segment).
  - B. **Trim** Removes the part of a filled object that is hidden. It removes any strokes and does not merge objects of the same color.
  - C. **Merge** Removes the part of a filled object that is hidden. It removes any strokes and merges any adjoining or overlapping objects filled with the same color.
  - D. **Crop** Divides artwork into its component filled faces, and then deletes all the parts of the artwork that fall outside the boundary of the topmost object. It also removes any strokes.
  - E. **Outline** Divides an object into its component line segments, or edges. This command is useful for preparing artwork that needs a trap for overprinting objects. (See Create a trap.)
  - F. **Minus Back** Subtracts the objects in back from the front most object. You can use this command to delete areas of an illustration by adjusting the stacking order.
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# TASK

- ▶ By Using Adobe Illustrator Tools ,Image Trace And Pathfinder Effects **CREAT Two Textile Printed Designs FOR Different Purpose**

**Please Email Me if there Any Questions**  
**[heba.atef@fapa.bu.edu.eg](mailto:heba.atef@fapa.bu.edu.eg)**



**Thank you!**