



**Vector Tools &
Visual Clues**

Notes:

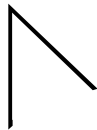
Path Tools & Cursor Clues



Path Component Selection tool—Click on part of a subpath and the whole subpath will be selected. Click twice and all anchors for subpath will be selected. Shift click or dragging this tool, in marquee fashion, can select several whole subpaths. Once all subpaths have been combined on a shape layer, this tool selects all. To deselect a subpath click on any area that is not a path. To deselect all subpaths on a shape layer click on layer thumbnail of clipping path, so path lines disappear. If you see a **plus sign** next to this, it means you are **copying or duplicating the subpath**. You can also move selections with keyboard arrow keys.



Direct Selection tool—Click on a path between anchors and this tool will select that portion of the path to be moved. Click on an anchor point and the anchor can be moved. Click on direction line and push or pull to change the slope of a bezier curve. Shift click or dragging this tool in marquee fashion will select several anchor points. To deselect points, click on any area that is not a path or anchor. If this tool is visible in the toolbar, it can be toggled when the pen is in the current tool, by pressing the **Command key**. If you see a **plus sign** next to this, it means you are **copying or duplicating** the selected anchors and paths. You can also move selections with keyboard arrow keys.



Convert point tool—This tool will convert a corner anchor point to a bezier point and convert a bezier point to a corner anchor. When using this tool to convert a corner to bezier, you must click and drag to see the direction lines. You can also use this tool to divide the direction line angles by pressing on the handle of the direction line and dragging to a new angle. This tool can be toggled, while using the Pen tool, by pressing the **Option key**. It is also a hidden tool under the Pen tool, but using the Option key while the Pen tool is the active tool is more efficient.



Pen Cursor Clue—This icon represents starting a new path or a separate path from one that is already on a shape layer or working path.



Pen Cursor Clue—This icon represents continuing from the previous point on a path.



Pen Cursor Clue—This icon represents closing a path.



Pen Cursor Clue—This icon represents picking up the path from that anchor point.

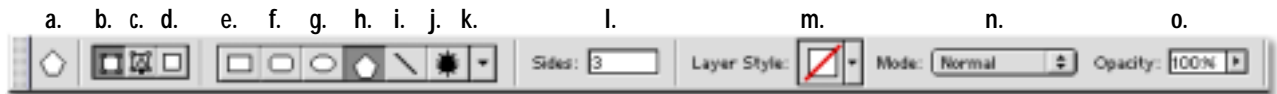


Pen Cursor Clue—This icon represents adding a new anchor point to an existing path. If you approach an existing path, the plus symbol will usually appear, automatically. Although, you can select this, as one of the hidden tools under the pen tool—it is rarely necessary, if you have the **Auto Add/Delete** box checked, in the Options bar.



Pen Cursor Clue—This icon represents deleting an anchor point. If you approach an existing anchor point, the minus symbol will usually appear, automatically. Although, you can select this, as one of the hidden tools under the pen tool—it is rarely necessary, if you have the **Auto Add/Delete** box checked, in the Options bar.

1st Phase Options Bar for Shape Tools—Creating New



- a. Current tool indicator
- b. Create new shape layer (currently highlighted)
- c. Create new work path
- d. Create new filled layer
- e. Rectangle shape tool
- f. Rounded rectangle shape tool
- g. Ellipse shape tool
- h. Polygon shape tool (currently highlighted)
- i. Line shape tool
- j. Custom shape tool (last selected)
- k. Geometry Options
- l. Current tool options (Indicates triangle; options change with current tool indicator)
- m. Pre-set layer style (none indicated)
- n. Pre-set layer blending mode
- o. Pre-Set layer opacity

2nd Phase Options Bar for Shape Tools—Editing



- a. Current tool indicator
- b. Pre-set Add to shape layer (currently highlighted)
- c. Pre-set Subtract from shape layer
- d. Pre-set Intersection of subpaths
- e. Pre-Set Exclude overlaps
- f. same as 1st phase Options Bar for Shape Tools
- g. Dismiss target path : pressing this will return the options bar back to 1st phase Options for Shape Tools.

Options Bar for Path Component Tool—Select, Combine, Align & Distribute



- a. Current tool indicator
- b. Functions same as 2nd phase, but used in conjunction with Combine button (c.)
- c. Combines currently selected subpaths into one subpath, according to functions (b). Press this only if you no longer need separate subpaths.
- d. Align top edges of selected subpaths
- e. Align vertical centers of selected subpaths
- f. Align bottom edges of selected subpaths
- g. Align left edges of selected subpaths
- h. Align horizontal centers of selected subpaths
- i. Align right edges of selected subpaths
- j. Distribute top edges of selected subpaths
- k. Distribute vertical centers of selected subpaths
- l. Distribute bottom edges of selected subpaths
- m. Distribute left edges of selected subpaths
- n. Distribute horizontal centers of selected subpaths
- o. Distribute right edges of selected subpaths
- p. Dismiss the target path and will gray out current options.

1st Phase Options Bar for Pen Tool-Create New



- a. Current tool indicator
- b. Create new shape layer (currently highlighted)
- c. Create new work path
- d. Pre-set layer style (none indicated)
- e. Pre-set layer blending mode
- f. Pre-Set layer opacity
- g. Intuitive plus or minus path or point, when clicked on one in the image window
- h. Allows you to see direction of path before clicking anchor point

2nd Phase Options Bar for Pen Tool-Editing



- a. Current tool indicator
- b. Add to shape layer or workpath (currently highlighted)
- c. Subtract from shape layer or workpath
- d. Intersection of subpaths or workpaths
- e. Exclude overlaps
- f. Intuitive plus or minus path or point, when clicked on one in the image window
- g. Allows you to see direction of path before clicking anchor point
- h. Dismiss target path : pressing this will return the options bar back to 1st phase Options for Pen Tool