- plays a video
- opens a web page

Sketchpad Tips

Sketchpad Tips give you a quick overview of Sketchpad's tools and menu commands. Click the categories below to open the lists and immediately view the comic strips or short online videos.

- **Tools**
- **Custom Tools**
- **File**
- **Edit**
- **Display**
- **Construct**
- **Transform**

Translating

- Mark a vector using **Transform | Mark Vector**
- Translate an object using **Transform | Translate**

Rotating and Dilating

- Mark a point as a center of rotation using **Transform | Mark Center**
- Rotate an object using **Transform | Rotate**
- Mark a point as a center of dilation using **Transform | Mark Center**
- Dilate an object using **Transform | Dilate**

Reflecting

- Mark a straight object as a mirror using **Transform | Mark Mirror**
- Reflect an object using **Transform | Reflect**

Using Marked Angles

- Mark an angle using **Transform | Mark Angle**
- Rotate an object by a marked angle using **Transform | Rotate**

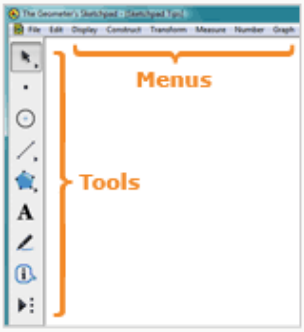
Using Marked Distances

- Mark a distance using **Transform | Mark Distance**
- Translate an object by a marked distance using **Transform | Translate**

Using Ratios

- Mark a ratio of two segments using **Transform | Mark Ratio**
- Mark a ratio of three points using **Transform | Mark Ratio**
- Dilate an object by a marked ratio using **Transform | Dilate**

Sketchpad Tips are organized by tool or menu.



Each Sketchpad Tip comes in two forms, a one-page comic strip and an online video.

Click this icon to view the comic strip.

Click this icon to watch the online video.

- Mark a scale factor using **Transform | Mark Scale Factor**
- Dilate an object by a marked scale factor using **Transform | Dilate**
- Measure a ratio of two segments using **Measure | Ratio**
- Measure a ratio of three points using **Measure | Ratio**

Using Iteration

- Iterate a construction using **Transform | Iterate**
- Iterate a construction to a selected depth by holding the Shift key and choosing **Transform | Iterate to Depth**
- Construct the terminal point of an iteration using **Transform | Terminal Point**

Creating a Custom Transformation

- Define a transformation by selecting two points and using **Transform | Define Custom Transform**
- Use a custom transformation by choosing its name from the Transform menu

Measure

Number

Graph

NOTE: If you are using Internet Explorer and there is a security warning bar across the top of this window, click it and choose **Allow Blocked Content.** If you are unable to download the .zip file, right-click the download link and choose **Save Target As** to save to your computer.