

Assignment

1. Create four sketches on Geometer's Sketchpad[®] similar to your "Reflection?" worksheet. Have another student find the line of reflection, if it exists. Try to construct thought provoking solutions. Print out each of your four sketches. Here are some reminders of things you may need to know how to do on Sketchpad[®].
 - a. To show the grid: Go to the **Graph** menu, choose **Show Grid**. Also, turn make sure **Snap to Grid** is checked in the **Graph** menu.
 - b. To hide a line: Highlight the line (by clicking on it) and go to the **Display** menu and select **Hide Line**. This works the same way for points.
2. Suppose Sketchpad[®] didn't have a **Transform** menu. How could you construct a given point's mirror image over a given line? Start with a point and a line. Come up with a construction for the reflection of the point over the line using just the tools and the Construct menu. Describe your method using both words and sketches. [*You can type your methods in Sketchpad[®] by clicking on the Text tool on the left side of the screen (it looks like an A) and double clicking anywhere on your sketch. Now you can type just as you would in any word processing program.*]