

Creating a Virtual Museum Using One Point Linear Perspective

Keith Valley Middle School
Technology Integration Program
Fasy~Heitzenrater~Telthorster
© 2006

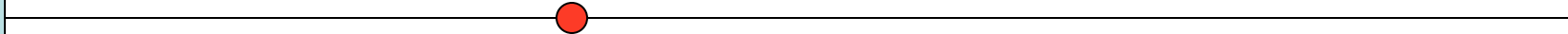
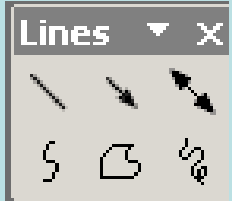


TOOLS: from “AutoShapes” located on the Drawing toolbar at the bottom of your screen, select the Lines toolbar and tear it off.

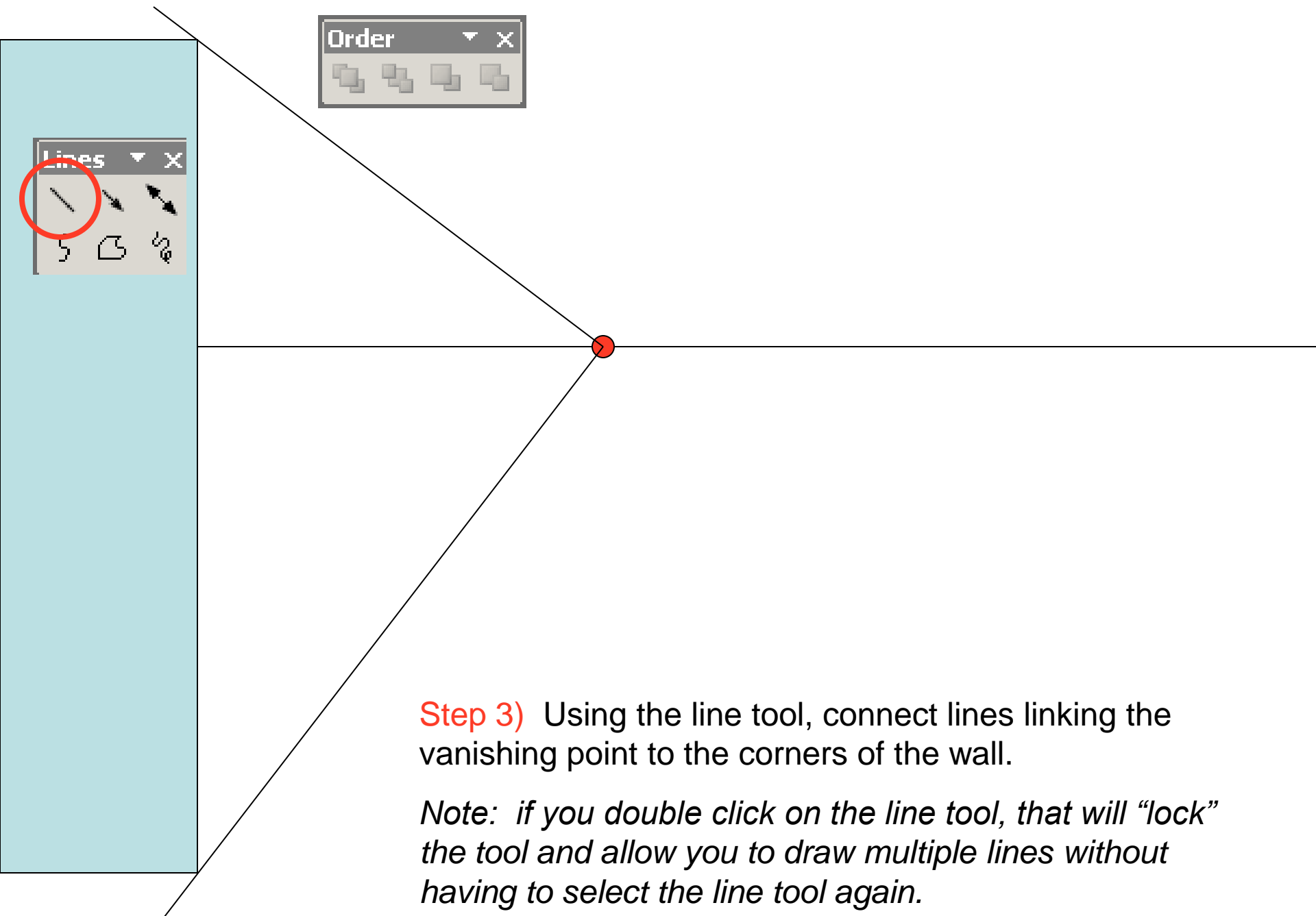
From the Draw button in the lower left corner of the Drawing Toolbar, select Order and tear it off.



Step 1) Draw a horizon line at “eye level” (near the middle) and place a “vanishing point” on the horizon line

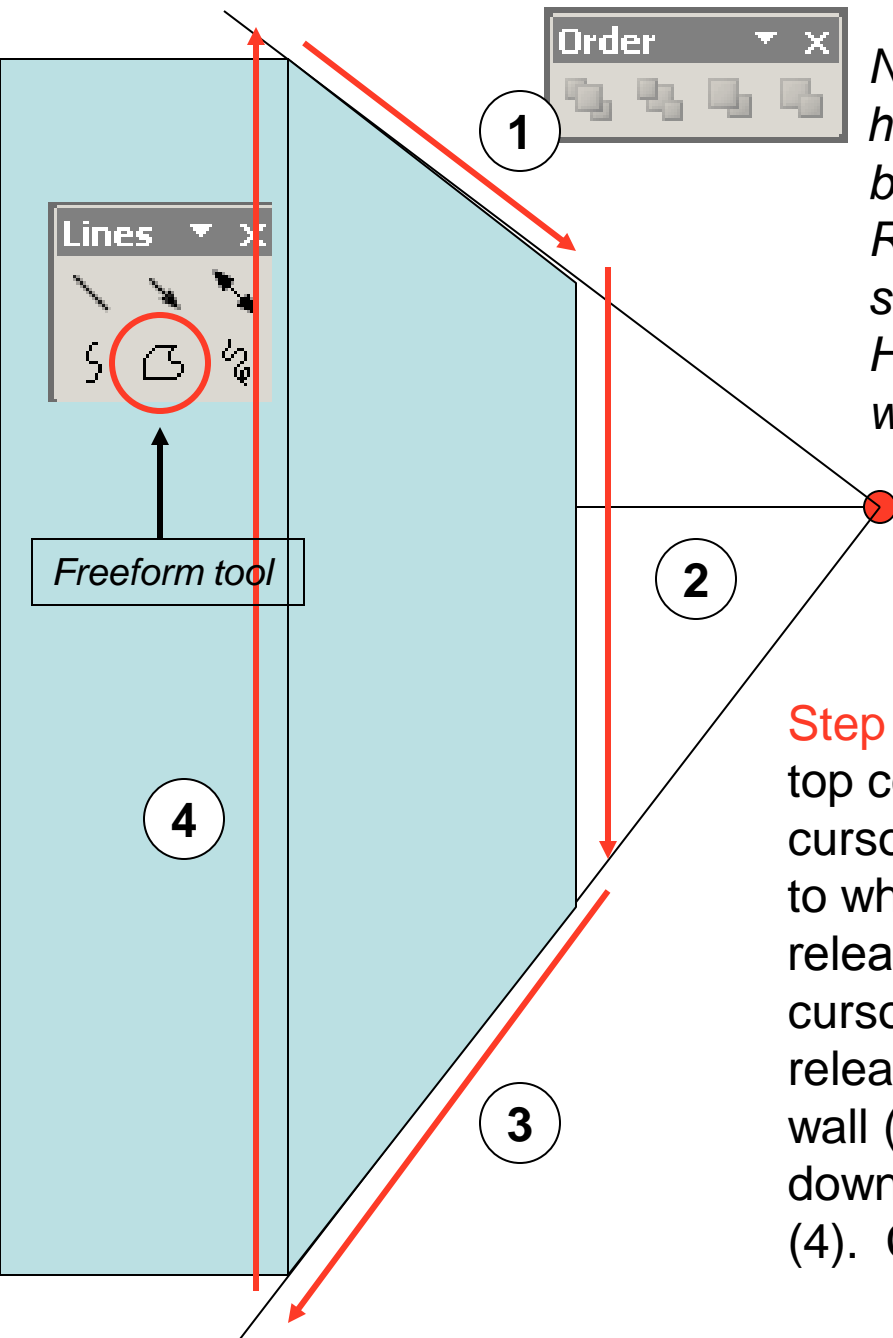


Step 2) Draw a rectangle. This becomes the front wall.



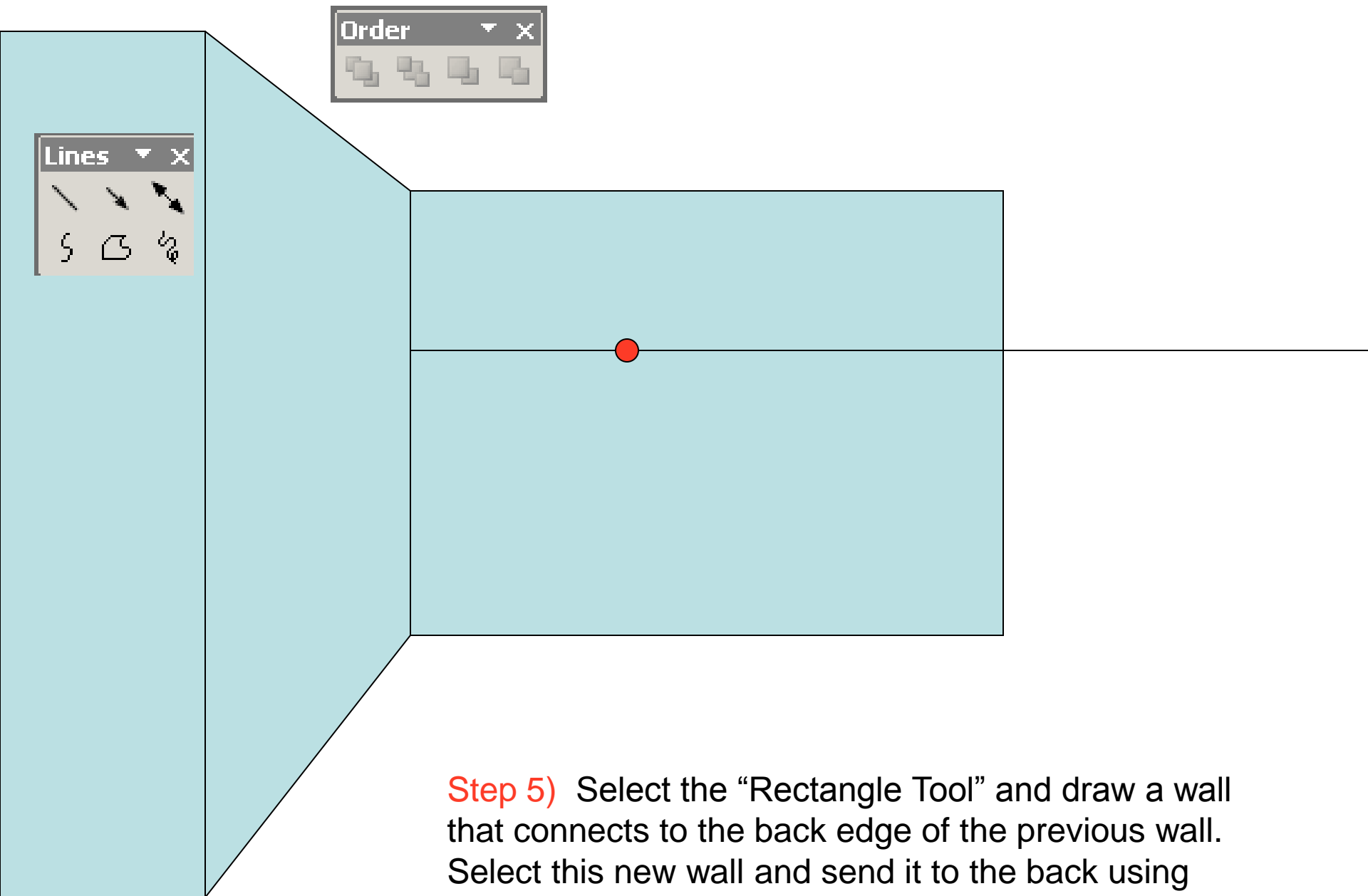
Step 3) Using the line tool, connect lines linking the vanishing point to the corners of the wall.

Note: if you double click on the line tool, that will “lock” the tool and allow you to draw multiple lines without having to select the line tool again.

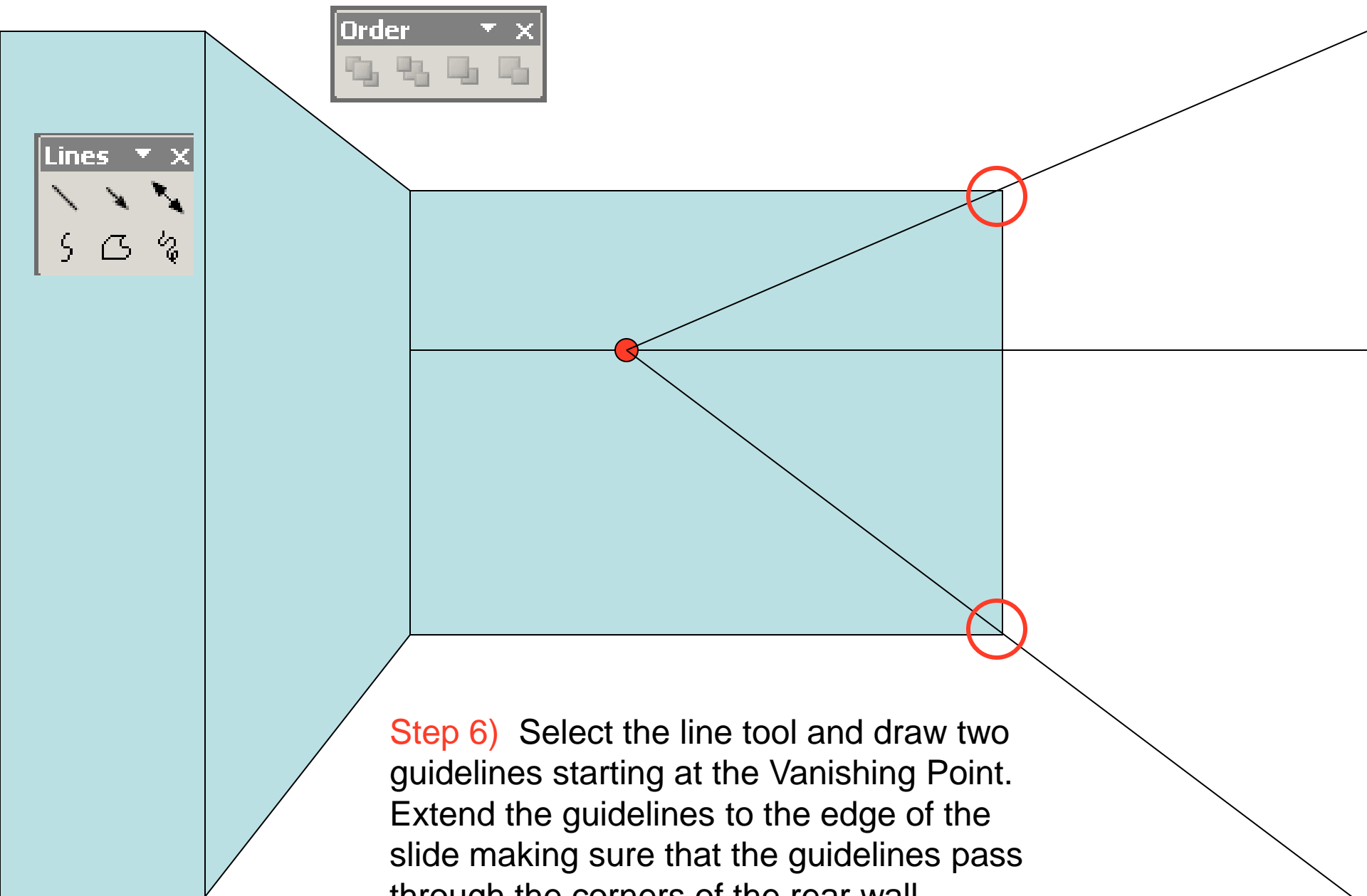


Note for using the Freeform Tool: If you have never used the “Freeform Tool” before, it can be tricky. If you click and RELEASE, and then move your cursor, a straight line will be made. If you click and HOLD and move the cursor, a scribble line will be made.

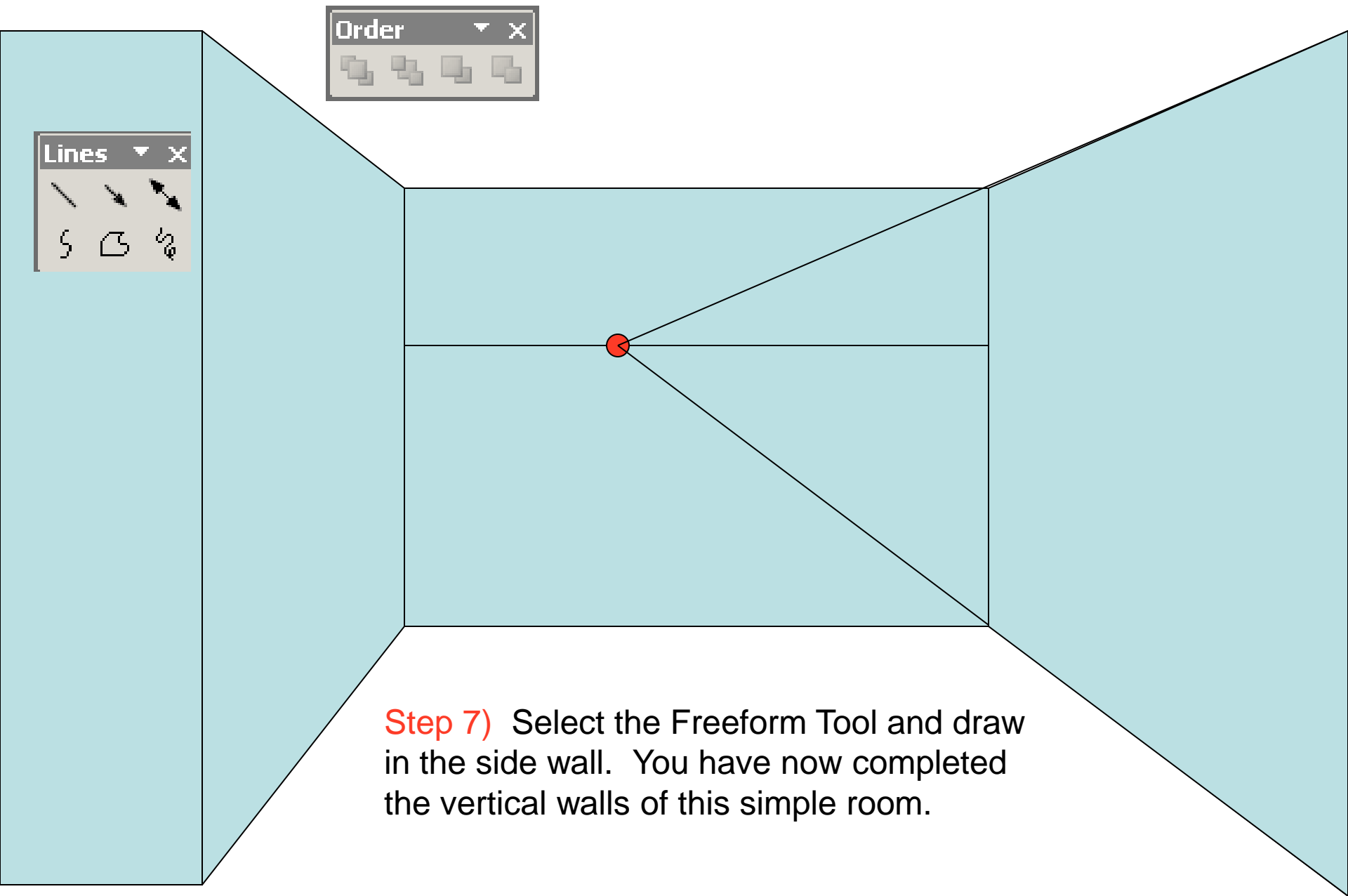
Step 4) Select the “Freeform Tool”, click on the top corner of the wall and release. Slide the cursor (without clicking) along the top guide line to where you want the wall to end (1). Click and release. Hold the “Shift” key down and slide the cursor to the bottom guide line (2). Click and release. Slide cursor to the bottom corner of the wall (3). Click and release. Hold the Shift key down and return your cursor to the top corner (4). Click. A new wall should be formed.



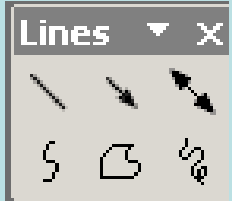
Step 5) Select the “Rectangle Tool” and draw a wall that connects to the back edge of the previous wall. Select this new wall and send it to the back using the Order toolbar.



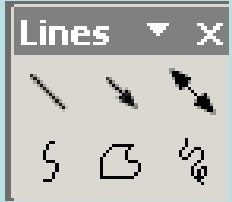
Step 6) Select the line tool and draw two guidelines starting at the Vanishing Point. Extend the guidelines to the edge of the slide making sure that the guidelines pass through the corners of the rear wall.



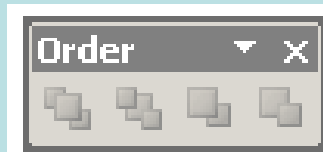
Step 7) Select the Freeform Tool and draw in the side wall. You have now completed the vertical walls of this simple room.



Step 8) To make a floor, simply make a rectangle from the bottom of your slide to the horizon line. The rectangle should cover the bottom of your slide.



Step 9) Send the rectangle to the back using the Order toolbar. Repeat the same steps for creating a ceiling.



Step 10) Adjust the rectangular walls of the room to make the interior more interesting.



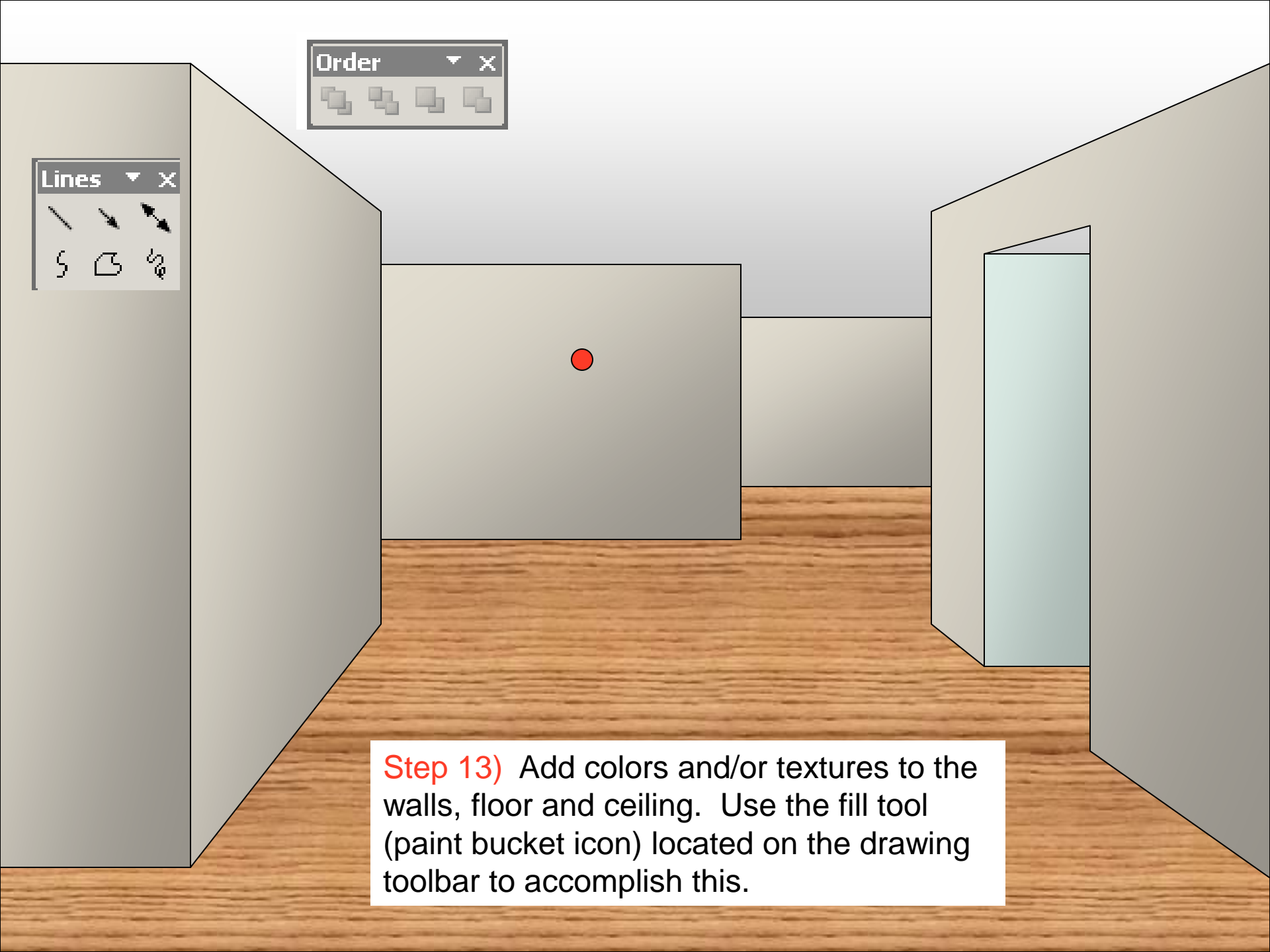
Step 11) Create a doorway on a side wall by drawing a guideline from the vanishing point forward. Using the Freeform tool click and re-draw the **entire** wall allowing for an opening. *Note: use the Shift key when drawing vertical lines!.*



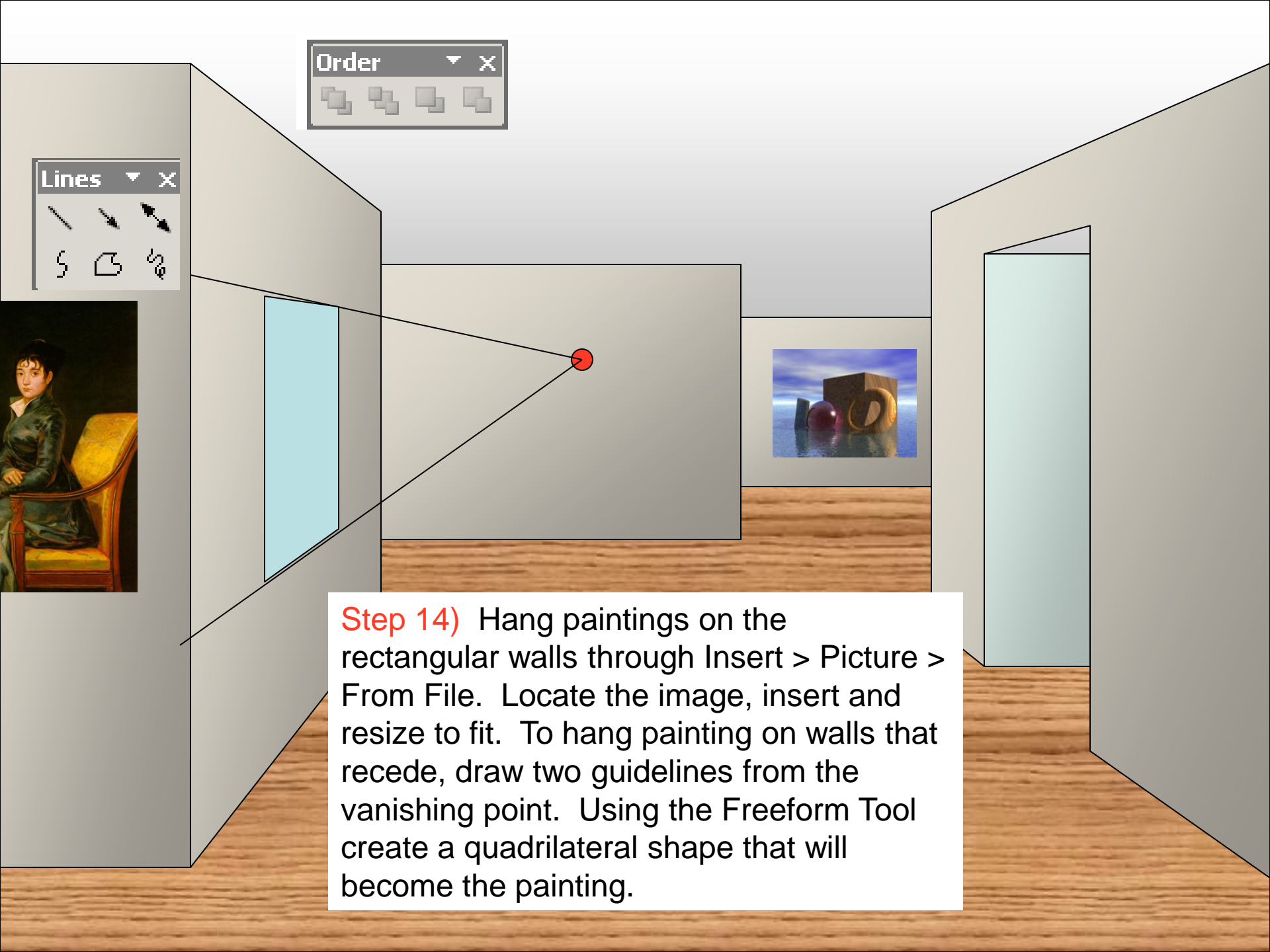
Rectangle wall



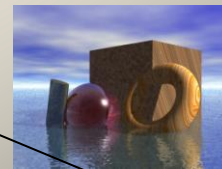
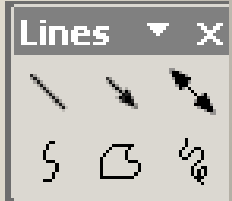
Step 12) Delete the original wall leaving the wall with the doorway behind. Use the rectangle tool to finish the illusion of a hallway.



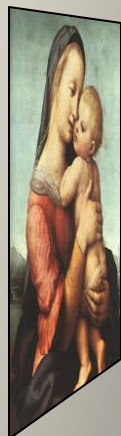
Step 13) Add colors and/or textures to the walls, floor and ceiling. Use the fill tool (paint bucket icon) located on the drawing toolbar to accomplish this.



Step 14) Hang paintings on the rectangular walls through Insert > Picture > From File. Locate the image, insert and resize to fit. To hang painting on walls that recede, draw two guidelines from the vanishing point. Using the Freeform Tool create a quadrilateral shape that will become the painting.



Step 15) To fill the quadrilateral shape with a painting, select the shape. From the fill bucket (paint can icon) select Fill Effects. Select the Picture tab located at the top. Click on the Select Picture button and locate a saved picture. Click OK twice. Repeat steps for each painting.



Step 16) Add people, clip art, etc. to make your museum more interesting. Create hyperlinks to take you throughout the museum. Enjoy!