Instructions for the Line-Wise Conic

Note: With the below instructions, I have given you a template (see next page), where lines x and ℓ, and points P and Q are all given. You will need to draw in line Y somewhere on the page.

1) Find 20 points on line x. [This has been done for you.]
2) From each one of these 20 points on x, draw a line passing through P. [This has been done for you.]
3) With each one of these 20 lines on p, find where it intersects with line ℓ.
4) From each one of these 20 points on ℓ, draw a line (lightly in lead pencil) passing through Q.
5) With each one of these 20 lines on Q, find where it intersects with line y.
6) Draw the 20 connecting lines (in color) from each point on x to its corresponding point on y.
Projective Geometry

Conic Transformation