

## Directions for Conics

### Line-wise Conic

- 1) Find 20 points on line  $x$ .
- 2) From each one of these 20 points on  $x$ , draw a line passing through  $P$ .
- 3) With each one of these 20 lines on  $p$ , find where it intersects with line  $\ell$ .
- 4) From each one of these 20 points on  $\ell$ , draw a line 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 from each point on  $x$  to its corresponding point on  $y$ .

### Point-wise Conic

- 1) Draw 20 lines on point  $X$ .
- 2) With each one of these 20 lines on  $X$ , find where it intersects with line  $p$ .
- 3) From each one of these 20 points on  $p$ , draw a line passing through  $L$ .
- 4) With each one of these 20 lines on  $L$ , find where it intersects with line  $q$ .
- 5) From each one of these 20 points on  $q$ , draw a line passing through  $Y$ .
- 6) Find the 20 connecting points by finding the points of intersection of each line on  $X$  and its corresponding line on  $Y$ .

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