

## Transformations

1. The point  $(a, 0)$  is reflected in the line  $x = b$  ( $b > a$ ) and then  $y = c$  ( $c > 0$ ). Find the image point.
2. The point  $(a, b)$  is rotated 90 degrees anti clockwise about the origin. Find the image point.
3. The point  $(a, b)$  is enlarged by scale factor 3 with centre of enlargement  $(c, d)$ . Find the image point.