

A shear  $M$  with invariant line  $m$  and shear factor  $\sqrt{3}$  maps  $A$  onto  $A'$ .

- Describe the image of the square  $ABCD$  under shear  $M$ .
- A shear  $N$  with invariant line  $n$  is now applied to this image, so that the result is a rectangle.

Describe the rectangle and find the shear factor.

- The same rectangle is produced by applying shear  $N$  to  $ABCD$  and then applying another shear  $P$  to the image.

Describe shear  $P$ .

