

Invariant Points & Lines - Exercises (1 page; 16/4/20)

(1) Find the value of k for which the transformation $\begin{pmatrix} 2 & 4 \\ 3 & k \end{pmatrix}$ has a line of invariant points, and find this line.

(2) (i) Use a matrix method to find the invariant lines for a reflection in the y -axis.

(ii) Investigate the invariant lines for a reflection in the x -axis.