

EX 4.3.

- 1 a) stretch factor 5 parallel to the y-axis and x-axis invariant
- b) stretch factor 4 parallel to the x-axis and y-axis invariant
- c) Translation of vector $\begin{pmatrix} -45 \\ 0 \end{pmatrix}$
- d) stretch factor 4 parallel to the y-axis and x-axis invariant followed by a translation of vector $\begin{pmatrix} 60 \\ 0 \end{pmatrix}$