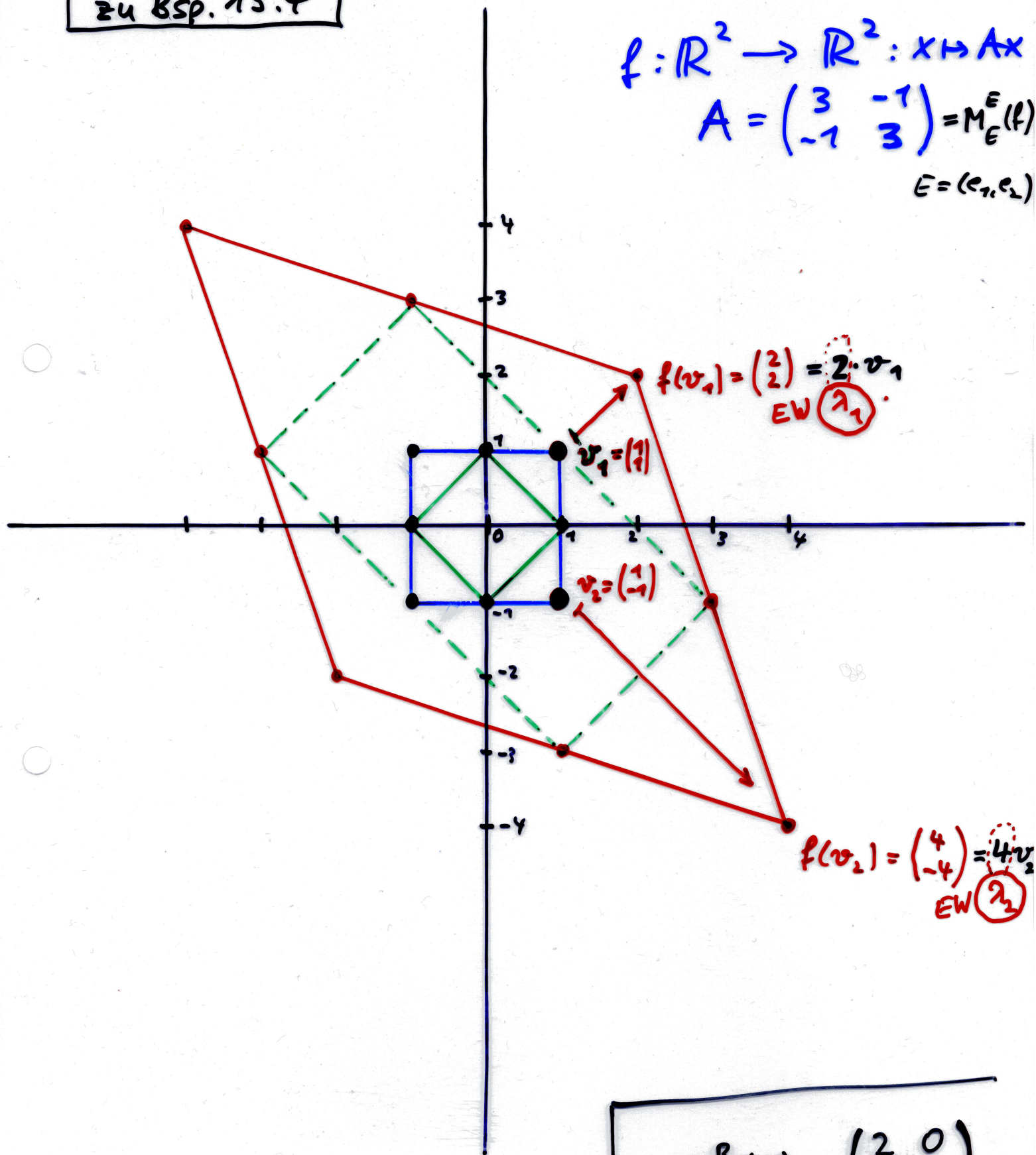


LAAG II  
zu Bsp. 13.4

$$f: \mathbb{R}^2 \rightarrow \mathbb{R}^2: x \mapsto Ax$$

$$A = \begin{pmatrix} 3 & -1 \\ -1 & 3 \end{pmatrix} = M_E^E(f)$$

$$E = (e_1, e_2)$$



$$M_B^B(f) = \begin{pmatrix} 2 & 0 \\ 0 & 4 \end{pmatrix}$$

$$B = \{v_1, v_2\}$$

Basis aus Eigenvektoren