Answer from figure
$$a = \begin{bmatrix} 1 \\ 1 \end{bmatrix} \quad a^{1/2} = \begin{bmatrix} -1 \\ 0 \end{bmatrix} \quad E = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \quad 2 = Ax^{1}$$

$$a^{1/2} = \begin{bmatrix} -1 \\ 0 & 1 \end{bmatrix} \quad a^{1/2} = \begin{bmatrix} -1 \\ 0 & 1 \end{bmatrix} \quad a^{1/2} = \begin{bmatrix} -1 \\ 0 & 1 \end{bmatrix} \quad a^{1/2} = \begin{bmatrix} 0 \\ 0 &$$