

Innlevering 1

Del 1

$$\text{A) } M = \begin{bmatrix} 0.8 & 0 & 0 \\ 0 & 1.2 & 1.0 \\ 0 & 0 & 1.0 \end{bmatrix}$$

B)

$$\det(M - \lambda I_3) = 0;$$

$$\det \left(\begin{bmatrix} 0.8 & 0 & 0 \\ 0 & 1.2 & 1.0 \\ 0 & 0 & 1.0 \end{bmatrix} - \begin{bmatrix} \lambda & 0 & 0 \\ 0 & \lambda & 1.0 \\ 9 & 0 & \lambda \end{bmatrix} \right) = 0$$

$$\det \left(\begin{bmatrix} 0.8 - \lambda & 0 & 0 \\ 1.2 - \lambda & 1.0 & 1.0 \\ 0 & 0 & 1.0 - \lambda \end{bmatrix} \right)$$

C)