

1

$$(1) \begin{pmatrix} \frac{1}{5} & \frac{1}{5} & -\frac{2}{5} \\ \frac{1}{10} & \frac{1}{10} & \frac{3}{10} \\ -\frac{1}{4} & \frac{1}{4} & -\frac{1}{4} \end{pmatrix}$$

(2) 正則ではない.

$$(3) \begin{pmatrix} -1 & 0 & 1 \\ 2 & 1 & -3 \\ -5 & -2 & 8 \end{pmatrix}$$

2(ア) $P[i, 1/\lambda]$ (イ) $Q[i, j]$ (ウ) $R[i, j, -\lambda]$ (エ) $R[3, 1, -1]$ (オ) $Q[2, 3]$ (カ) $R[2, 1, -1/2]$ (キ) $P[3, 2]$