

問題 6.5. (省略)

問題 6.6.

$$(1) \begin{pmatrix} \frac{1}{3} & -\frac{2}{9} & \frac{1}{9} \\ \frac{2}{3} & -\frac{4}{9} & \frac{11}{9} \\ \frac{1}{3} & \frac{1}{9} & \frac{4}{9} \end{pmatrix} \quad (2) \begin{pmatrix} \frac{4}{13} & -\frac{5}{13} & -\frac{2}{13} \\ -\frac{1}{26} & \frac{11}{26} & \frac{7}{26} \\ \frac{1}{2} & -\frac{1}{2} & -\frac{1}{2} \end{pmatrix} \quad (3) \begin{pmatrix} -\frac{8}{3} & \frac{10}{3} & -1 \\ -\frac{5}{3} & \frac{7}{3} & -1 \\ \frac{7}{3} & -\frac{8}{3} & 1 \end{pmatrix}$$
$$(4) \begin{pmatrix} \frac{1}{7} & \frac{8}{7} & \frac{12}{7} \\ -\frac{1}{7} & -\frac{1}{7} & -\frac{5}{7} \\ -\frac{1}{7} & \frac{6}{7} & \frac{9}{7} \end{pmatrix} \quad (5) \begin{pmatrix} -\frac{4}{9} & -\frac{1}{3} & \frac{1}{9} \\ \frac{1}{9} & \frac{1}{3} & \frac{2}{9} \\ \frac{11}{9} & \frac{2}{3} & \frac{4}{9} \end{pmatrix}$$

問題 6.7.

$$\begin{pmatrix} \frac{1}{3k} & -\frac{k+1}{6k} & -\frac{2k+1}{3k} \\ \frac{1}{k} & -\frac{1}{2k} & -\frac{1}{k} \\ \frac{1}{3k} & \frac{1}{3} - \frac{1}{6k} & \frac{k-1}{3k} \end{pmatrix}$$