

階段行列

解答

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$$(1) \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \quad (2) \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \quad (3) \begin{pmatrix} 1 & 2 \\ 0 & 0 \end{pmatrix} \quad (4) \begin{pmatrix} 0 & 1 & 1 \\ 0 & 0 & 0 \end{pmatrix} \quad (5) \begin{pmatrix} 1 & 0 & 1 \\ 0 & 1 & \frac{1}{2} \end{pmatrix}$$

$$(6) \begin{pmatrix} 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix} \quad (7) \begin{pmatrix} 1 & 0 & \frac{21}{11} & \frac{27}{11} \\ 0 & 1 & -\frac{13}{11} & -\frac{23}{11} \end{pmatrix} \quad (8) \begin{pmatrix} 1 & 0 \\ 0 & 1 \\ 0 & 0 \end{pmatrix} \quad (9) \begin{pmatrix} 1 & 0 \\ 0 & 1 \\ 0 & 0 \\ 0 & 0 \end{pmatrix} \quad (10) \begin{pmatrix} 1 & 0 \\ 0 & 1 \\ 0 & 0 \\ 0 & 0 \end{pmatrix}$$

$$(11) \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix} \quad (12) \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix} \quad (13) \begin{pmatrix} 1 & 0 & -3 \\ 0 & 1 & \frac{3}{2} \\ 0 & 0 & 0 \end{pmatrix} \quad (14) \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \\ 0 & 0 & 0 \end{pmatrix}$$

$$(15) \begin{pmatrix} 1 & 0 & 0 & \frac{23}{9} \\ 0 & 1 & 0 & -\frac{22}{9} \\ 0 & 0 & 1 & \frac{8}{9} \end{pmatrix} \quad (16) \begin{pmatrix} 1 & 0 & -2 & 2 \\ 0 & 1 & 5 & -4 \\ 0 & 0 & 0 & 0 \end{pmatrix} \quad (17) \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix}$$

$$(18) \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix} \quad (19) \begin{pmatrix} 1 & 0 & \frac{2}{7} & -\frac{17}{7} \\ 0 & 1 & \frac{1}{7} & \frac{9}{7} \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{pmatrix} \quad (20) \begin{pmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 \end{pmatrix}$$