

$$15. \quad (2, 4) \text{ \& } (1, 2)$$

$$\begin{pmatrix} 2 \\ 4 \end{pmatrix} \quad \begin{pmatrix} 1 \\ 2 \end{pmatrix}$$

$$(2 \times 2) - (1 \times 4)$$

$$= 4 - 4 = 0$$

\therefore linearly dependent.