

Determinants to evaluate using Row Operations

$$1. \begin{vmatrix} 2 & 3 & 1 \\ 1 & 3 & 5 \\ 4 & 6 & 2 \end{vmatrix}$$

$$2. \begin{vmatrix} 1 & 3 & 5 \\ 2 & 4 & 7 \\ 3 & 2 & 1 \end{vmatrix}$$

$$3. \begin{vmatrix} 2 & -1 & 6 \\ 3 & 1 & 2 \\ 1 & 1 & 1 \end{vmatrix}$$

$$4. \begin{vmatrix} 1 & 2 & 4 \\ 1 & 5 & 6 \\ 0 & 3 & 6 \end{vmatrix}$$

$$5. \begin{vmatrix} 2 & 3 & 5 \\ 2 & 4 & 7 \\ 4 & 5 & 8 \end{vmatrix}$$

$$6. \begin{vmatrix} 6 & 3 & 1 \\ -2 & 4 & 1 \\ -3 & 5 & 1 \end{vmatrix}$$

$$7. \begin{vmatrix} 2 & 1 & -1 & 0 \\ 0 & 3 & 2 & 3 \\ 2 & 4 & 3 & 1 \\ 2 & 5 & 4 & 5 \end{vmatrix}$$