

# Determinants

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Evaluate the following.

$$1) \begin{vmatrix} 7 & 1 \\ 4 & 3 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$2) \begin{vmatrix} 0 & 6 \\ 10 & -12 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$3) \begin{vmatrix} 19 & 11 \\ -8 & 0 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$4) \begin{vmatrix} 5 & 18 \\ 0 & 20 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$5) \begin{vmatrix} 12 & 8 \\ 9 & 6 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$6) \begin{vmatrix} 1 & 1 \\ -1 & 1 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$7) \begin{vmatrix} 2 & -10 \\ -17 & 21 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$8) \begin{vmatrix} 13 & -9 \\ 6 & -11 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$9) \begin{vmatrix} -5 & 0 \\ 16 & -7 \end{vmatrix} = \underline{\hspace{2cm}}$$

$$10) \begin{vmatrix} 8 & 2 \\ 23 & 15 \end{vmatrix} = \underline{\hspace{2cm}}$$