

Student Name: _____

Score: _____

Evaluate the Determinants

Integers: S3

Evaluate the following determinants:

$$\begin{vmatrix} 8 & 12 \\ 11 & 21 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 3 & 17 \\ 9 & 41 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 23 & -4 \\ 31 & -9 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 6 & -47 \\ -5 & 34 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 11 & 37 \\ 12 & 29 \end{vmatrix} = \boxed{}$$

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Student Name: _____

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Answer key

Evaluate the Determinants

Integers: S3

$$\begin{vmatrix} 8 & 12 \\ 11 & 21 \end{vmatrix} = 36$$

$$\begin{vmatrix} 3 & 17 \\ 9 & 41 \end{vmatrix} = -30$$

$$\begin{vmatrix} 23 & -4 \\ 31 & -9 \end{vmatrix} = -83$$

$$\begin{vmatrix} 6 & -47 \\ -5 & 34 \end{vmatrix} = -31$$

$$\begin{vmatrix} 11 & 37 \\ 12 & 29 \end{vmatrix} = -125$$

$$\begin{vmatrix} -7 & -14 \end{vmatrix} = -20$$

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