Student Name: _____ **Score:**

Evaluate the Determinants

Integers: S1

Evaluate the following determinants:

$\begin{vmatrix} 3 & 4 \\ 2 & -6 \end{vmatrix} =$ ☐

$\begin{vmatrix} -9 & 8 \\ -7 & 3 \end{vmatrix} =$ ☐

$\begin{vmatrix} 5 & -6 \\ 7 & 7 \end{vmatrix} =$ ☐

$\begin{vmatrix} 8 & 5 \\ -4 & -6 \end{vmatrix} =$ ☐

$\begin{vmatrix} 2 & -7 \\ 3 & 9 \end{vmatrix} =$ ☐

$\begin{vmatrix} 1 & -3 \\ 3 & -9 \end{vmatrix} =$ ☐

$\begin{vmatrix} 10 & 4 \\ 3 & 8 \end{vmatrix} =$ ☐

$\begin{vmatrix} 7 & 2 \\ -8 & 4 \end{vmatrix} =$ ☐

Student Name: _____ Score:

Answer key

Evaluate the Determinants

Integers: S1

$\begin{vmatrix} 3 & 4 \\ 2 & -6 \end{vmatrix} = -26$

$\begin{vmatrix} -9 & 8 \\ -7 & 3 \end{vmatrix} = 29$

$\begin{vmatrix} 5 & -6 \\ 7 & 7 \end{vmatrix} = 77$

$\begin{vmatrix} 8 & 5 \\ -4 & -6 \end{vmatrix} = -28$

$\begin{vmatrix} 2 & -7 \\ 3 & 9 \end{vmatrix} = 39$

$\begin{vmatrix} 1 & -3 \\ 3 & -9 \end{vmatrix} = 0$

$\begin{vmatrix} 10 & 4 \\ 3 & 8 \end{vmatrix} = 68$

$\begin{vmatrix} 7 & 2 \\ -8 & 4 \end{vmatrix} = 44$