

Student Name: _____

Score: _____

Evaluate the Determinants

Integers: S4

Evaluate the following determinants:

$$\begin{vmatrix} 21 & 19 \\ 33 & 22 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 17 & 21 \\ -3 & -5 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 12 & -5 \\ -17 & 9 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 41 & -36 \\ -12 & 17 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 31 & 4 \\ -16 & 3 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} -6 & 9 \\ 12 & 14 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} -9 & 7 \\ -32 & 22 \end{vmatrix} = \boxed{}$$

$$\begin{vmatrix} 4 & -8 \\ -13 & 23 \end{vmatrix} = \boxed{}$$

Student Name: _____

Score: _____

Answer key

Evaluate the Determinants

Integers: S4

$$\begin{vmatrix} 21 & 19 \\ 33 & 22 \end{vmatrix} = -165$$

$$\begin{vmatrix} 17 & 21 \\ -3 & -5 \end{vmatrix} = -22$$

$$\begin{vmatrix} 12 & -5 \\ -17 & 9 \end{vmatrix} = 23$$

$$\begin{vmatrix} 41 & -36 \\ -12 & 17 \end{vmatrix} = 265$$

$$\begin{vmatrix} 31 & 4 \\ -16 & 3 \end{vmatrix} = 157$$

$$\begin{vmatrix} -6 & 9 \\ 12 & 14 \end{vmatrix} = -192$$

$$\begin{vmatrix} -9 & 7 \\ -32 & 22 \end{vmatrix} = 26$$

$$\begin{vmatrix} 4 & -8 \\ -13 & 23 \end{vmatrix} = -12$$