

Hwk Determinants of [2x2] & [3x3] Matrices

Date _____ Period _____

Evaluate each determinant.

1) $\begin{vmatrix} 1 & 3 \\ 0 & 3 \end{vmatrix}$

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

3) $\begin{vmatrix} 5 & -1 \\ 0 & -2 \end{vmatrix}$

4) $\begin{vmatrix} 1 & -4 \\ 1 & 2 \end{vmatrix}$

5) $\begin{vmatrix} -3 & -2 & 2 \\ 1 & 0 & 1 \\ -3 & 3 & 1 \end{vmatrix}$

6) $\begin{vmatrix} 3 & -5 & 4 \\ 5 & 4 & 5 \\ 4 & 3 & 0 \end{vmatrix}$

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

- A) 21 B) -19
C) 8 D) 5

8) $\begin{vmatrix} 1 & -3 & -1 \\ 5 & -2 & 3 \\ -5 & 4 & -2 \end{vmatrix}$

- A) 81 B) -31
C) 61 D) -3