

Determinants Homework

Evaluate each of the determinants below by hand. Use your graphing calculator to check your answers.

$$1. \begin{vmatrix} 3 & 1 \\ 4 & 2 \end{vmatrix}$$

$$2. \begin{vmatrix} 6 & 1 \\ 5 & 2 \end{vmatrix}$$

$$3. \begin{vmatrix} 6 & 4 \\ -1 & 3 \end{vmatrix}$$

$$4. \begin{vmatrix} 8 & -3 \\ 4 & 2 \end{vmatrix}$$

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

$$6. \begin{vmatrix} -4 & 2 \\ -5 & 3 \end{vmatrix}$$

$$7. \begin{vmatrix} 3 & 4 & 2 \\ 1 & -1 & 5 \\ 1 & 2 & -2 \end{vmatrix}$$

$$8. \begin{vmatrix} 1 & 3 & -2 \\ 6 & 1 & -5 \\ 8 & 2 & 3 \end{vmatrix}$$

$$9. \begin{vmatrix} 4 & -1 & 2 \\ 6 & -1 & 0 \\ 1 & -3 & 4 \end{vmatrix}$$

$$10. \begin{vmatrix} A & B & C \\ 2 & 1 & 4 \\ 1 & 3 & 1 \end{vmatrix}$$

$$11. \begin{vmatrix} A & B & C \\ 0 & 2 & 4 \\ 3 & 1 & 3 \end{vmatrix}$$

$$12. \begin{vmatrix} A & B & C \\ -1 & 3 & 5 \\ 5 & 0 & -2 \end{vmatrix}$$