

**ATIVIDADE DE AULA – 2º ANO – DETERMINANTES****01.** Calcule os determinantes.

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

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

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

D)  $\begin{vmatrix} a & -a \\ -a & -a \end{vmatrix}$

**02.** Calcule  $x$  nas igualdades.

A)  $\begin{vmatrix} x & 2 \\ -3 & 2 \end{vmatrix} = 10$

C)  $\begin{vmatrix} x & -8 \\ -3 & 5x \end{vmatrix} = 21$

B)  $\begin{vmatrix} 2x & -4 \\ -3 & 2 \end{vmatrix} = 8$

D)  $\begin{vmatrix} x^2 & 8 \\ -2 & -x \end{vmatrix} = -11$

**03.** Calcule os determinantes.

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

C)  $\begin{vmatrix} 1 & -1 & 2 \\ 5 & 7 & -4 \\ 1 & 0 & 1 \end{vmatrix}$

B)  $\begin{vmatrix} 0 & 1 & 3 \\ -3 & 0 & 1 \\ 4 & 2 & 5 \end{vmatrix}$

D)  $\begin{vmatrix} 1 & 0 & 4 \\ 0 & 2 & 1 \\ 0 & 0 & -6 \end{vmatrix}$

**04.** Resolva as equações:

A)  $\begin{vmatrix} 0 & 2 & 1 \\ -4 & -1 & x \\ 2 & -1 & 1 \end{vmatrix} = 9$

B)  $\begin{vmatrix} 1 & 0 & 3 \\ 3 & 2 & 0 \\ y & 0 & 0 \end{vmatrix} = \begin{vmatrix} 5 & y \\ 2 & -4 \end{vmatrix}$

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