

## Determinantes - matriz 3x3

1) Calcule as determinantes a seguir:

a)

$$D = \begin{vmatrix} 1 & 2 & 3 \\ 2 & 1 & 1 \\ 3 & 3 & 1 \end{vmatrix}$$

c)

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

b)

$$D = \begin{vmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{vmatrix}$$

d)

$$D = \begin{vmatrix} 1 & 2 & 7 \\ 2 & 1 & 4 \\ 3 & 3 & 14 \end{vmatrix}$$

### Gabarito

1)a)9

b)0

c)-40

d)-9