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> restart
> Ecua := y" + 9·y = 0

$$Ecua := \frac{d^2}{dx^2} y(x) + 9 y(x) = 0 \quad (1)$$

> SolGral := dsolve(Ecua)

$$SolGral := y(x) = c_1 \sin(3x) + c_2 \cos(3x) \quad (2)$$

> yy[1] := cos(3·x)

$$yy_1 := \cos(3x) \quad (3)$$

> yy[2] := sin(3·x)

$$yy_2 := \sin(3x) \quad (4)$$

> with(linalg)
[BlockDiagonal, GramSchmidt, JordanBlock, LUdecomp, QRdecomp, Wronskian, addcol, addrow, adj, adjoint, angle, augment, backsub, band, basis, bezout, blockmatrix, charmat, charpoly, cholesky, col, coldim, colspace, colspan, companion, concat, cond, copyinto, crossprod, curl, definite, delcols, delrows, det, diag, diverge, dotprod, eigenvals, eigenvalues, eigenvectors, eigenvects, entermatrix, equal, exponential, extend, ffgausselim, fibonacci, forwardsub, frobenius, gausselim, gaussjord, geneqns, genmatrix, grad, hadamard, hermite, hessian, hilbert, htranspose, ihermite, indexfunc, innerprod, intbasis, inverse, ismith, issimilar, iszero, jacobian, jordan, kernel, laplacian, leastsqrs, linsolve, matadd, matrix, minor, minpoly, mulcol, mulrow, multiply, norm, normalize, nullspace, orthog, permanent, pivot, potential, randmatrix, randvector, rank, ratform, row, rowdim, rowspace, rowspan, rref, scalarmul, singularvals, smith, stackmatrix, submatrix, subvector, sumbasis, swapcol, swaprow, sylvester, toeplitz, trace, transpose, vandermonde, vecpotent, vectdim, vector, wronskian ]
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> WW := wronskian([yy[1], yy[2]], x)

$$WW := \begin{bmatrix} \cos(3x) & \sin(3x) \\ -3\sin(3x) & 3\cos(3x) \end{bmatrix} \quad (6)$$

> Comprobar := simplify(det(WW)) ≠ 0

$$Comprobar := 3 \neq 0 \quad (7)$$