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<u>Table 2</u> Gauss Quadrature Weights and Coefficients	Number of Points	Weighting Factors	Function Arguments	
	2	$C_1 = 1.000000000C_2 = 1.000000000$	$\begin{array}{rcl} x_1 = & -0.577350269 \\ x_2 = & 0.577350269 \end{array}$	
	3	$C_1 = 0.55555556$ $C_2 = 0.888888889$ $C_3 = 0.55555556$	$\begin{array}{rcrr} x_1 = & -0.774596669 \\ x_2 = & 0.00000000 \\ x_3 = & 0.774596669 \end{array}$	
	4	$C_1 = 0.347854845$ $C_2 = 0.652145155$ $C_3 = 0.652145155$ $C_4 = 0.347854845$	$x_1 = -0.861136312$ $x_2 = -0.339981044$ $x_3 = -0.339981044$ $x_4 = -0.861136312$	
	5	$\begin{array}{c} C_1 = 0.236926885\\ C_2 = 0.478628670\\ C_3 = 0.568888889\\ C_4 = 0.478628670\\ C_5 = 0.236926885 \end{array}$	$\begin{array}{r} x_1 = -0.906179846 \\ x_2 = -0.538469310 \\ x_3 = 0.00000000 \\ x_4 = 0.538469310 \\ x_5 = 0.906179846 \end{array}$	
	6	$\begin{array}{c} C_1 = 0.171324492 \\ C_2 = 0.360761573 \\ C_3 = 0.467913935 \\ C_4 = 0.467913935 \\ C_5 = 0.360761573 \\ C_6 = 0.171324492 \end{array}$	$\begin{array}{r} x_1 = -0.932469514 \\ x_2 = -0.661209386 \\ x_3 = -0.238619186 \\ x_4 = -0.238619186 \\ x_5 = -0.661209386 \\ x_6 = -0.932469514 \end{array}$	





































