

# Transitive Groups of Degree 5

No	Group	Order	DimCA	CAZ	DimGA	GrAZ	Cycle_Index
1	C5 = 5	5	5	T	5	T	$\frac{1}{5}x_1^5 + \frac{4}{5}x_5$
2	D5 = 5:2	10	3	T	9	F	$\frac{1}{10}x_1^5 + \frac{1}{2}x_1x_2^2 + \frac{2}{5}x_5$
3	F5 = 5:4	20	2	T	17	F	$\frac{1}{20}x_1^5 + \frac{1}{4}x_1x_2^2 + \frac{1}{2}x_1x_4 + \frac{1}{5}x_5$
4	A5	60	2	T	17	F	$\frac{1}{60}x_1^5 + \frac{1}{3}x_1^2x_3 + \frac{1}{4}x_1x_2^2 + \frac{2}{5}x_5$
5	S5	120	2	T	17	F	$\frac{1}{120}x_1^5 + \frac{1}{12}x_1^3x_2 + \frac{1}{6}x_1^2x_3 + \frac{1}{8}x_1x_2^2 + \frac{1}{4}x_1x_4 + \frac{1}{6}x_2x_3 + \frac{1}{5}x_5$