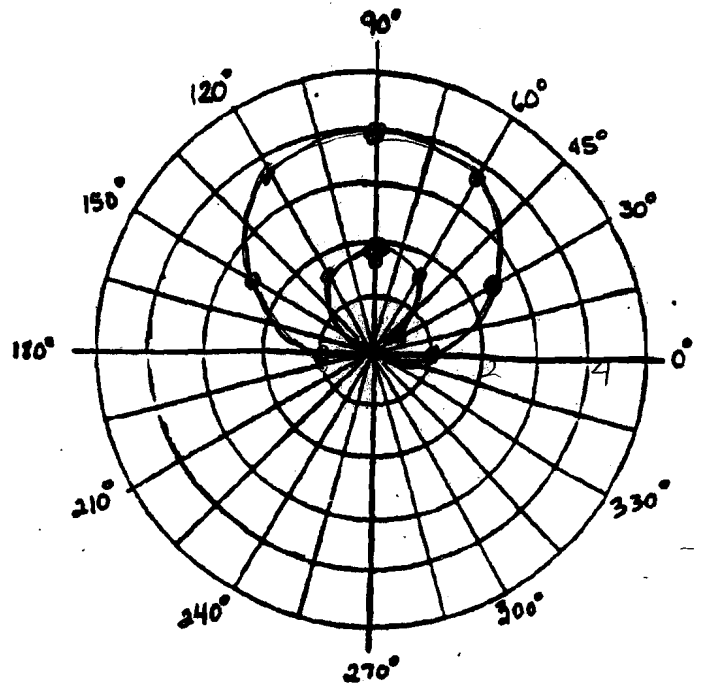


Graph: $r = 2 \cos \theta$

θ	$\cos \theta$	r
0°	1	2
30°	.9	1.8
60°	.5	1
90°	0	0
120°	-.5	-1
150°	-.9	-1.8
180°	-1	-2
210°	-.9	-1.8
240°	-.5	-1
270°	0	0
300°	.5	1
330°	.9	1.8
360°	1	2

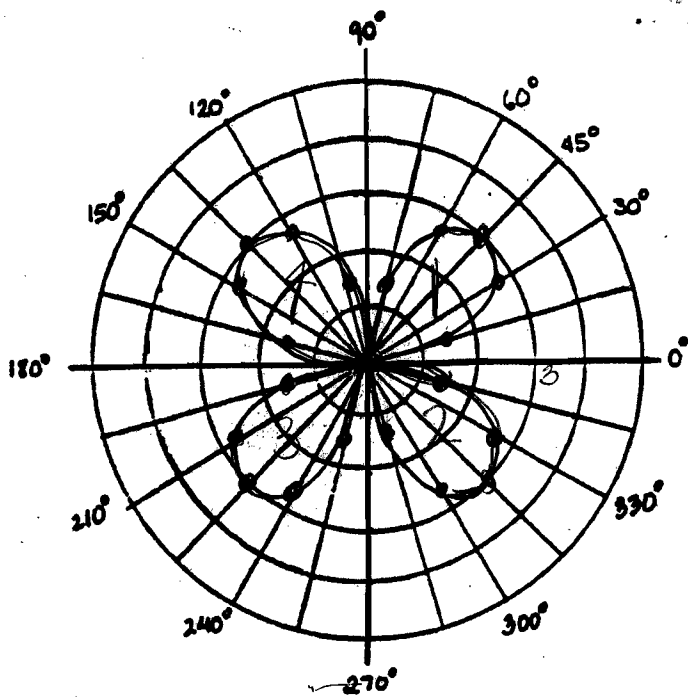
repeats every 180°



Graph: $r = 1 + 3 \sin \theta$

θ	$\sin \theta$	$3 \sin \theta$	r
0°	0	0	1
30°	.5	1.5	2.5
60°	.9	2.7	3.7
90°	1	3	4
120°	.9	2.7	3.7
150°	.5	1.5	2.5
180°	0	0	1
210°	-.5	-1.5	-.5
240°	-.9	-2.7	-1.7
270°	-1	-3	-2
300°	-.9	-2.7	-1.7
330°	-.5	-1.5	-.5
360°	0	0	1

BOEBO BOBO



"4-leafed rose"

Graph: $r = 3 \sin 2\theta$

θ	2θ	$\sin 2\theta$	r	θ	2θ	$\sin 2\theta$	r
0°	0	0	0	195°	390	.5	1.5
15°	30	.5	1.5	210°	420	.	2.7
30°	60	.9	2.7	225°	450		3
45°	90	1	3	240°	480		2.7
60°	120	.9	2.7	255°	510		1.5
75°	150	.5	1.5	270°	540		0
90°	180	0	0	285°	570		-1.5
105°	210	-.5	-1.5	300°	600		-2.7
120°	240	-.9	-2.7	315°	630		-3
135°	270	-1	-3	330°	660		-2.7
150°	300	-.9	-2.7	345°	690		-1.5
165°	330	-.5	-1.5	360°	720		0
180°	360	0	0				