

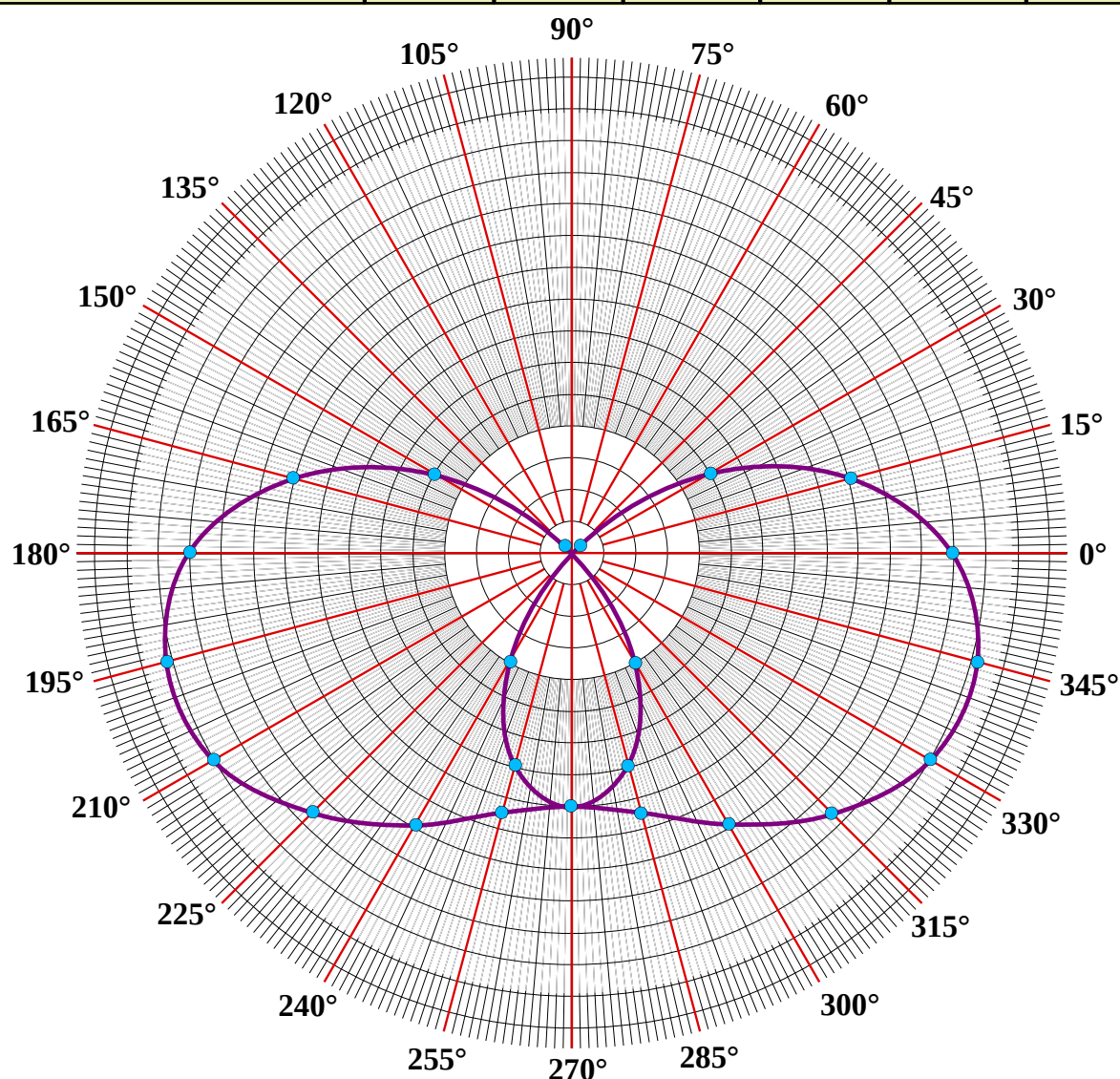
1.3 Answers to 1.2 Plotting a Polar Curve

θ (in degrees)	0	15	30	45	60	75	90
$r = 12 \cos^2 \theta - 8 \sin \theta$	12	9.1	5	0.3	-3.9	-6.9	-8

θ (in degrees)	105	120	135	150	165	180
$r = 12 \cos^2 \theta - 8 \sin \theta$	-6.9	-3.9	0.3	5	9.1	12

θ (in degrees)	195	210	225	240	255	270
$r = 12 \cos^2 \theta - 8 \sin \theta$	13.3	13	11.7	9.9	8.5	8

θ (in degrees)	285	300	315	330	345	360
$r = 12 \cos^2 \theta - 8 \sin \theta$	8.5	9.9	11.7	13	13.3	12



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In October 2020, Shrewsbury School was voted "**Independent School of the Year 2020**"

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Teachers may obtain detailed worked solutions to the exercises by email from MHHSshrewsbury@Gmail.com