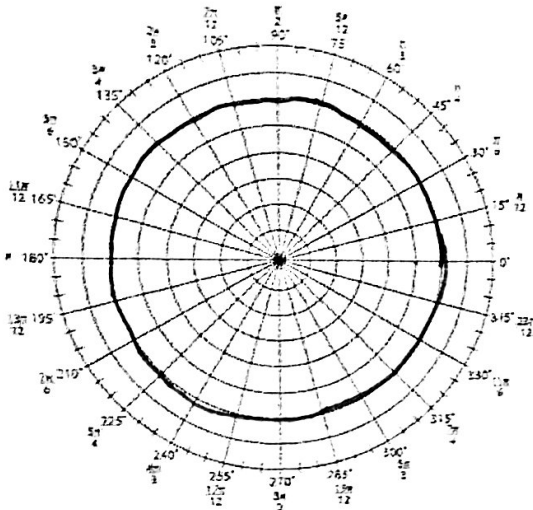
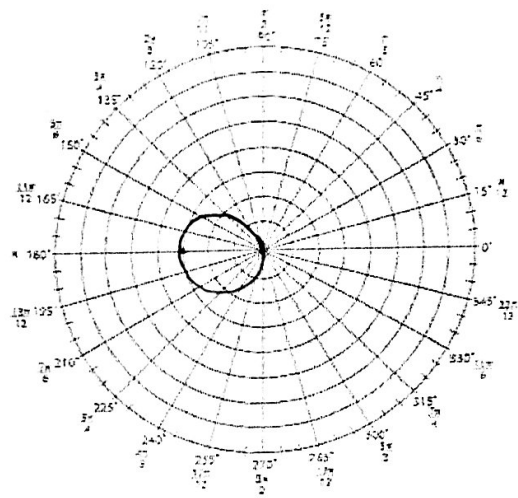


Identify the type of graph. Make a table of values to graph each equation.

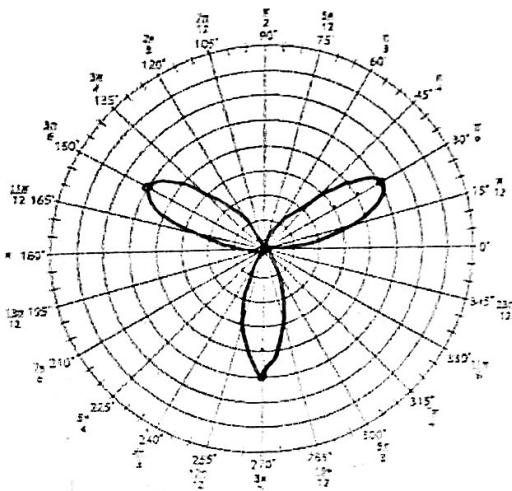
1. $r = 6$



2. $r = -3 \cos \theta$



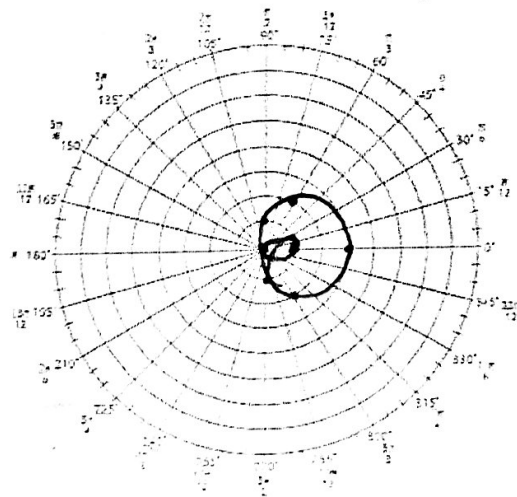
3. $r = 5 \sin 3\theta$



θ	r
$\frac{\pi}{2}$	-5
$\frac{\pi}{6}$	5
$\frac{5\pi}{6}$	5

4. $r = 1 + 2 \cos \theta$

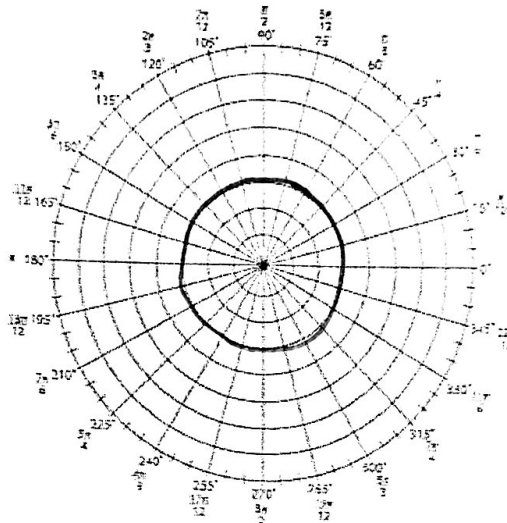
Inner Loop



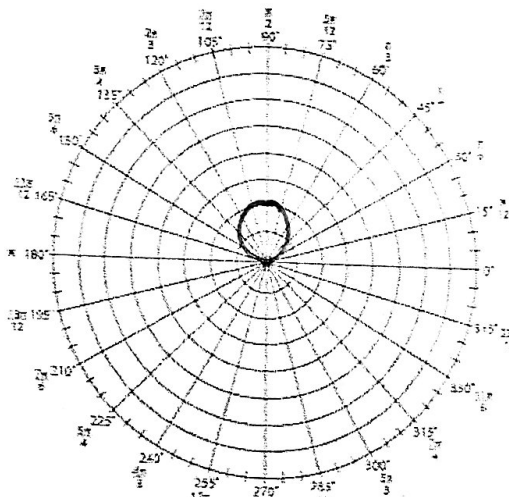
θ	r
0	3
$\frac{\pi}{3}$	2
$\frac{\pi}{2}$	1
$\frac{2\pi}{3}$	0
$\frac{3\pi}{2}$	0
π	-1
$\frac{4\pi}{3}$	0
$\frac{3\pi}{2}$	1
$\frac{5\pi}{3}$	2
2π	3
24	

Identify the type of graph. Make a table of values to graph each equation. Use your calculator to check your accuracy.

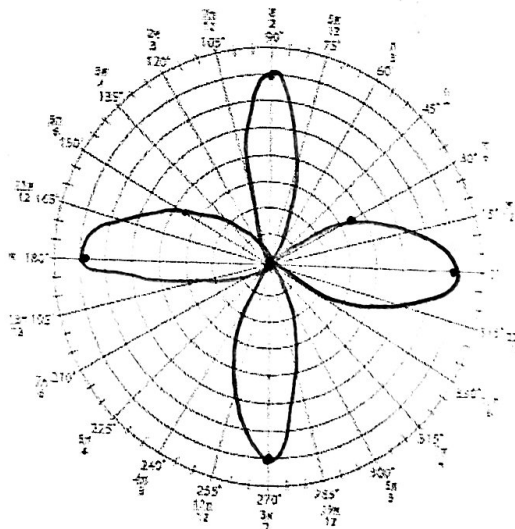
1. $r = 3$



2. $r = 2 \sin \theta$



3. $r = 7 \cos 2\theta$

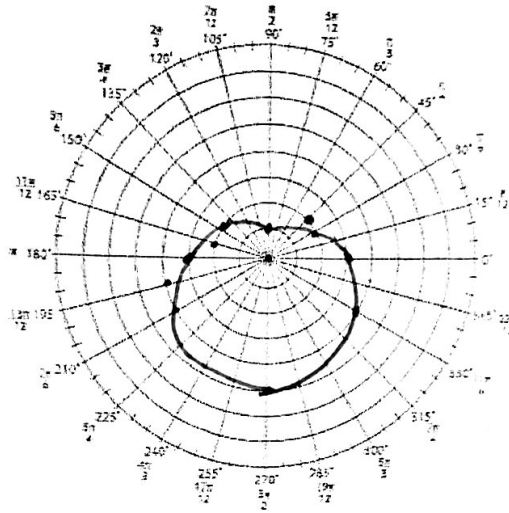


θ	r
0	7
$\frac{\pi}{6}$	$\frac{7}{2}$
$\frac{\pi}{2}$	0
$\frac{5\pi}{6}$	0
π	7

θ	r
0	7
$\frac{\pi}{3}$	0
$\frac{\pi}{2}$	-7
$\frac{2\pi}{3}$	0
$\frac{3\pi}{4}$	$\frac{7}{2}$
$\frac{5\pi}{6}$	0
π	7

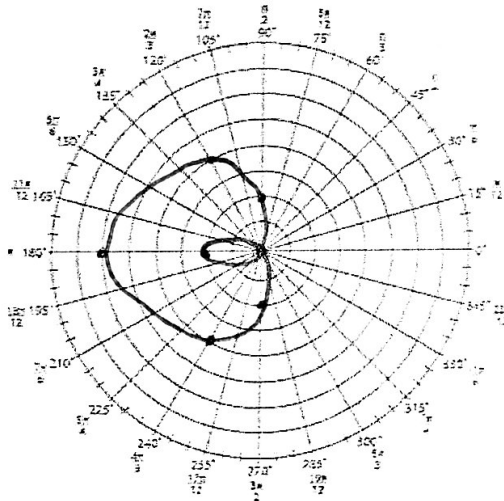
θ	r
$\frac{7\pi}{6}$	0
$\frac{5\pi}{4}$	-7
$\frac{3\pi}{2}$	0
$\frac{7\pi}{4}$	$\frac{7}{2}$
$\frac{11\pi}{6}$	0
2π	7

4. $r = 3 - 2\sin\theta$



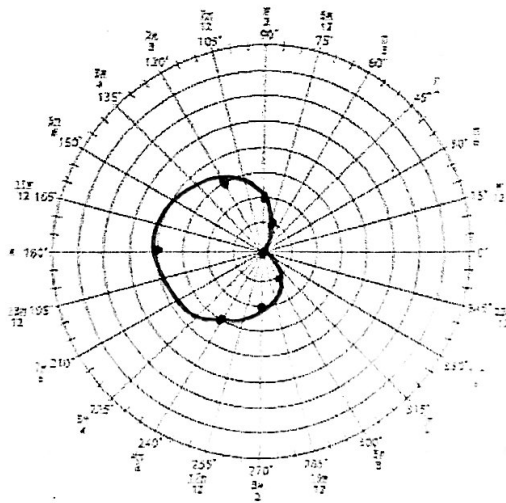
θ	r
0	3
$\frac{\pi}{6}$	2
$\frac{\pi}{2}$	1
$\frac{5\pi}{6}$	2
π	3
$\frac{7\pi}{6}$	4
$\frac{3\pi}{2}$	5
$\frac{11\pi}{6}$	4
2π	3

5. $r = 2 - 4\cos\theta$



θ	r
0	-2
$\frac{\pi}{3}$	0
$\frac{\pi}{2}$	2
$\frac{2\pi}{3}$	4
π	6
$\frac{4\pi}{3}$	4
$\frac{3\pi}{2}$	2
$\frac{5\pi}{3}$	0
2π	-2

6. $r = 2 - 2\cos\theta$



θ	r
0	0
$\frac{\pi}{3}$	1
$\frac{\pi}{2}$	2
$\frac{2\pi}{3}$	3
π	4
$\frac{4\pi}{3}$	3
$\frac{3\pi}{2}$	2
$\frac{5\pi}{3}$	1
2π	0