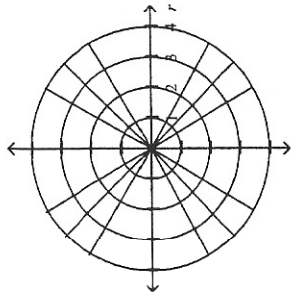
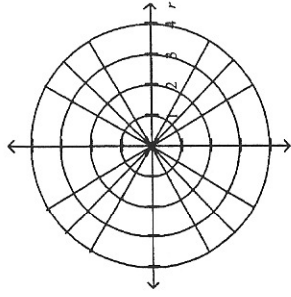


Graph the following Polar Coordinates.

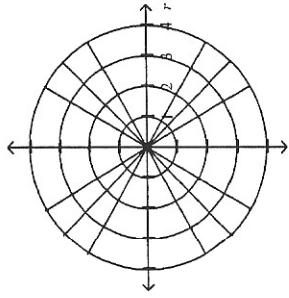
1. $(2, 60^\circ)$



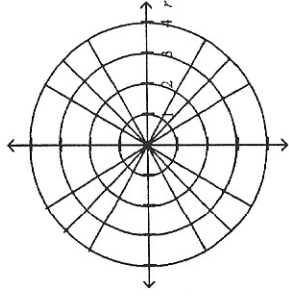
2. $(3, -90^\circ)$



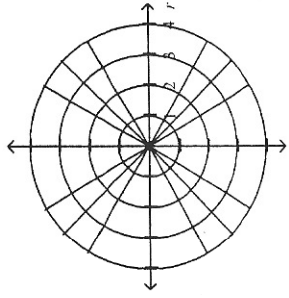
3. $(1, 315^\circ)$



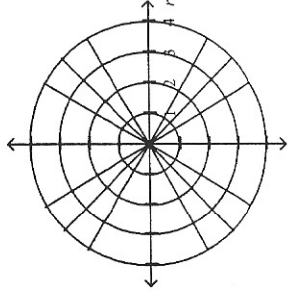
4. $(2, 400^\circ)$



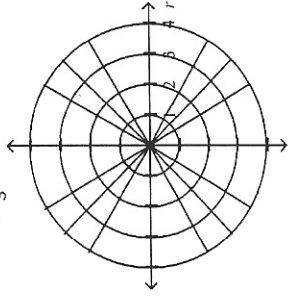
5. $(-2, \frac{\pi}{4})$



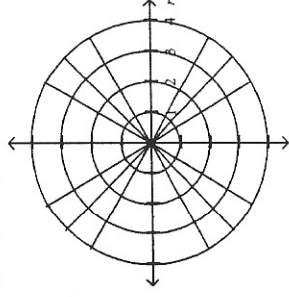
6. $(4, \frac{7\pi}{6})$



7. $(-3, \frac{5\pi}{3})$



8. $(-3, \pi)$



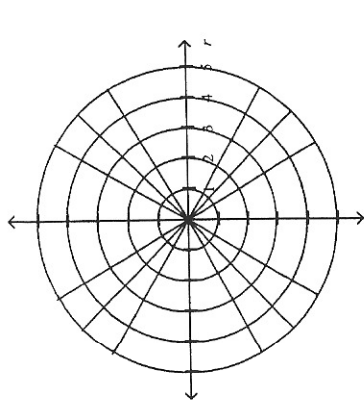
Name the following in 3 other ways (use only one rotation).

A. $(2, \frac{\pi}{3})$

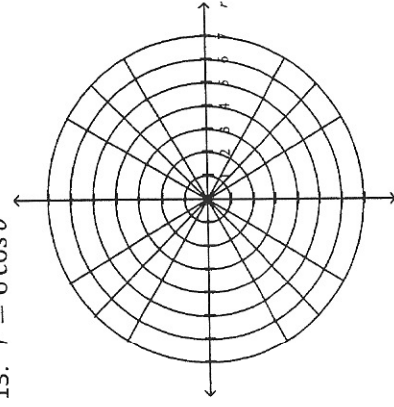
B. $(3, \frac{2\pi}{3})$

C. $(-2, \frac{11\pi}{6})$

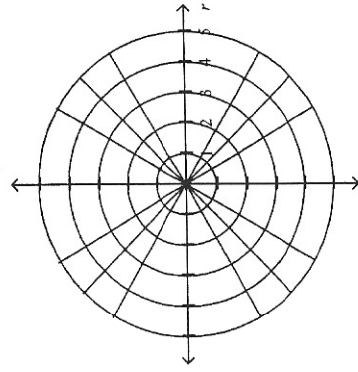
9. $r = 3$



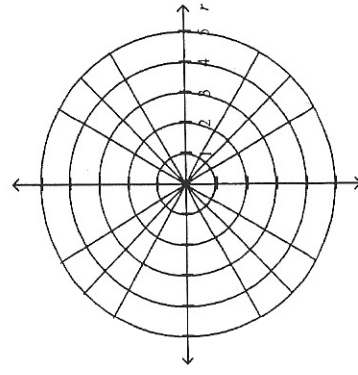
13. $r = 6 \cos \theta$



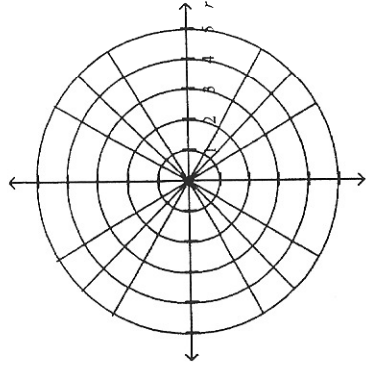
17. $r = 2 - 3 \sin \theta$



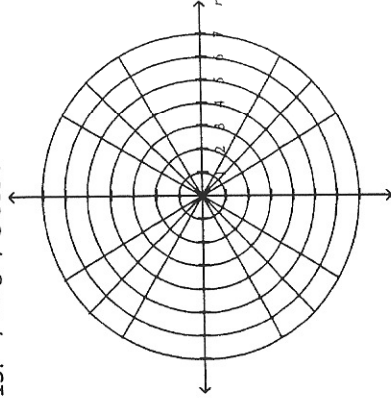
21. $r = -2 + 2 \cos \theta$



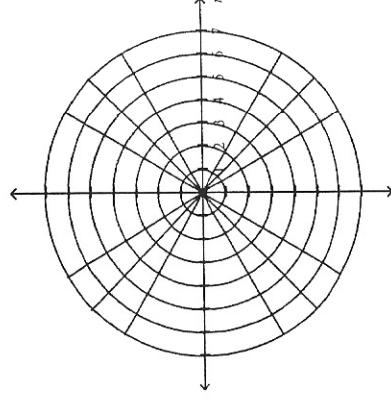
11. $\theta = 2$



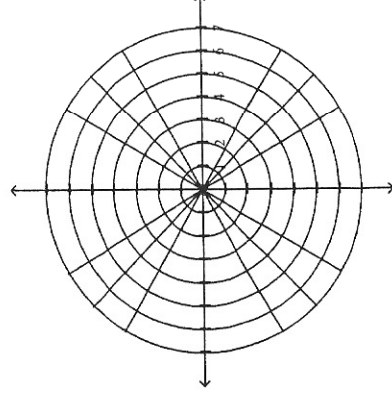
15. $r = 3 + 3 \cos \theta$



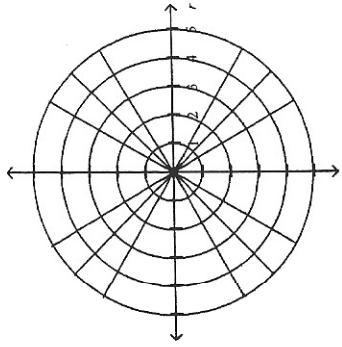
19. $r = 4 + 3 \sin \theta$



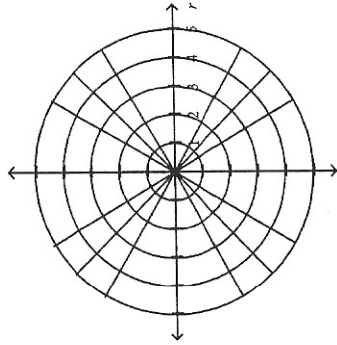
23. $r = 2 - 4 \sin \theta$



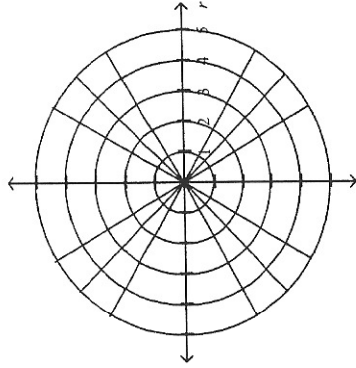
10. $r = 5$



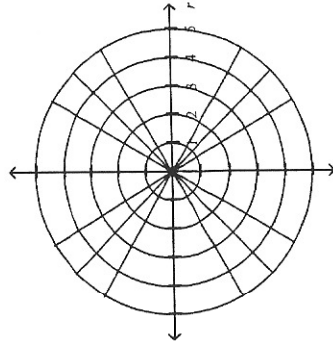
14. $r = 4 \sin \theta$



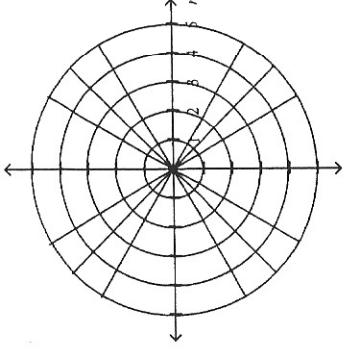
18. $r = 2 - 2 \cos \theta$



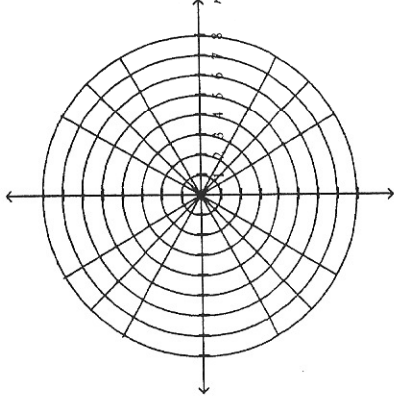
22. $r = -1 - \cos \theta$



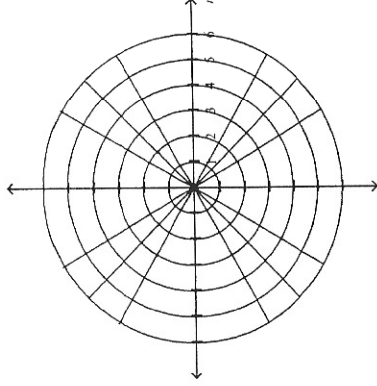
12. $\theta = \frac{-\pi}{3}$



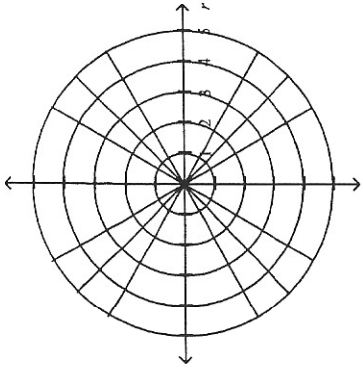
16. $r = 4 - 4 \sin \theta$



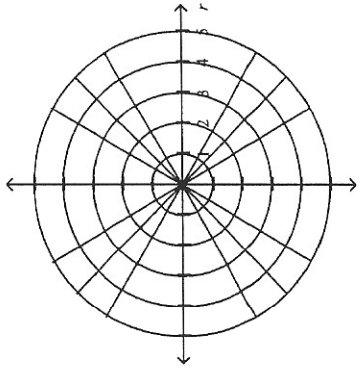
20. $r = 2 + 4 \sin \theta$



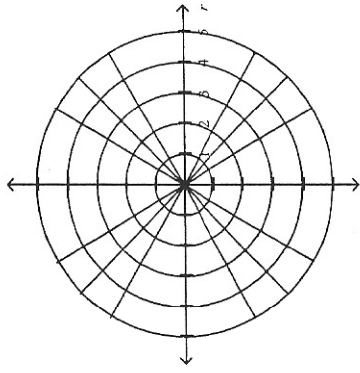
25. $r = 3 \sin 2\theta$



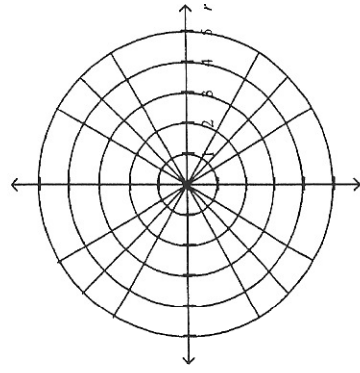
27. $r = 4 \cos 3\theta$



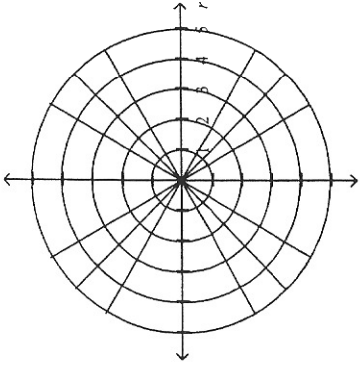
29. $r = 2 \sin 5\theta$



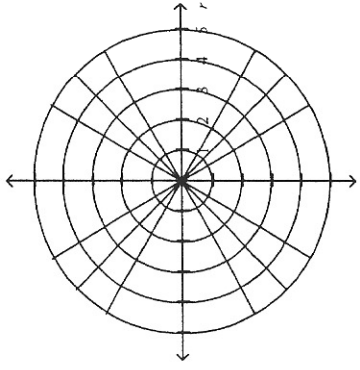
31. $r = 3 \cos 4\theta$



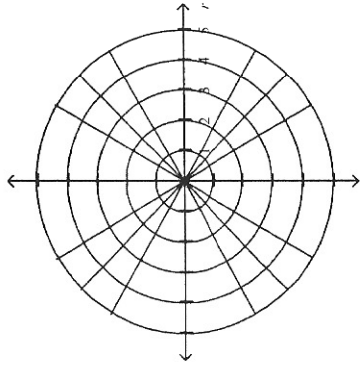
26. $r = 2 \cos 2\theta$



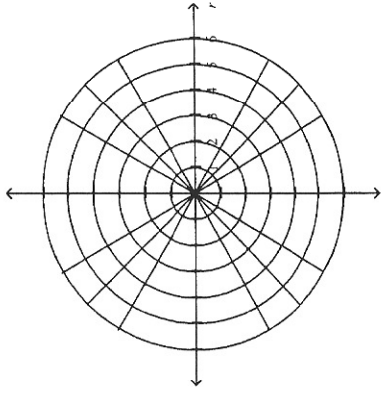
28. $r = 5 \sin 3\theta$



30. $r = 3 \cos 5\theta$

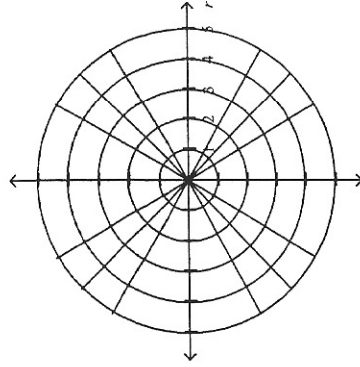


32. $r = 6 \sin 4\theta$

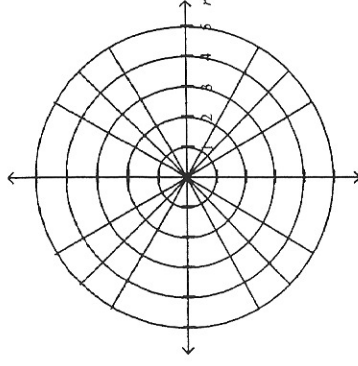


Sketch the graphs of the following polar equations.

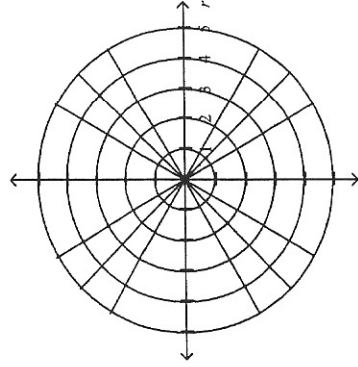
1. $r^2 = 16 \cos 2\theta$



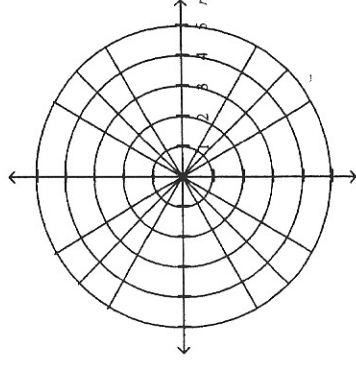
2. $r^2 = -9 \sin 2\theta$



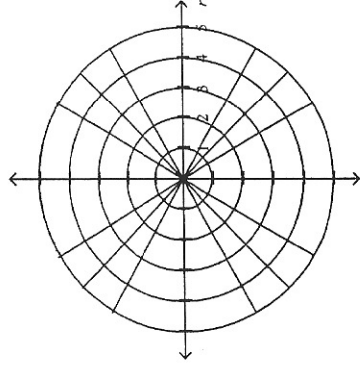
3. $r^2 = -4 \cos 2\theta$



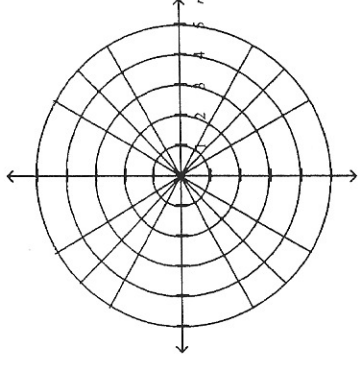
4. $r^2 = 25 \sin 2\theta$



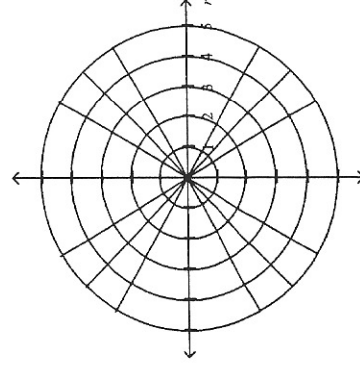
5. $r = \theta, \theta \geq 0$



6. $r = 2\theta, \theta \geq 0$



7. $r = 1 + 2 \sin \theta$



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

