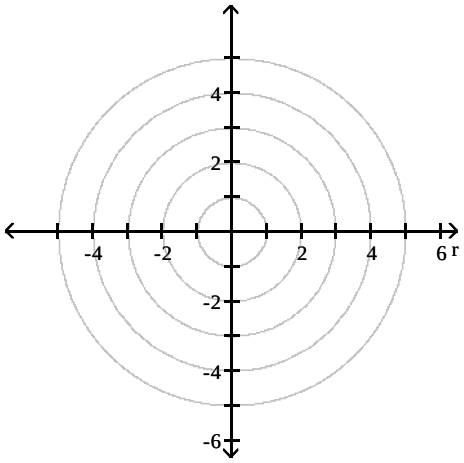
Name_____

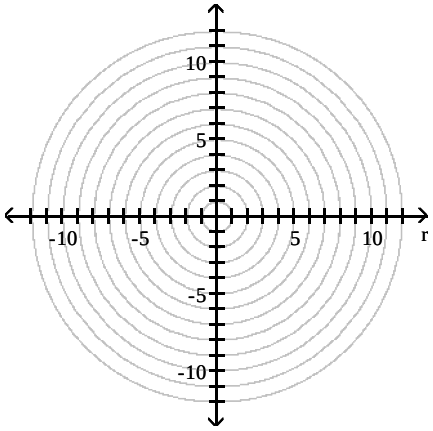
SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Graph the polar equation.

1) $r = -4 \cos \theta$ 1) _____

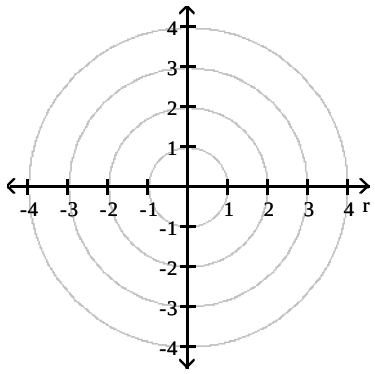


2) $r = 3(1 + 2 \sin \theta)$ 2) _____



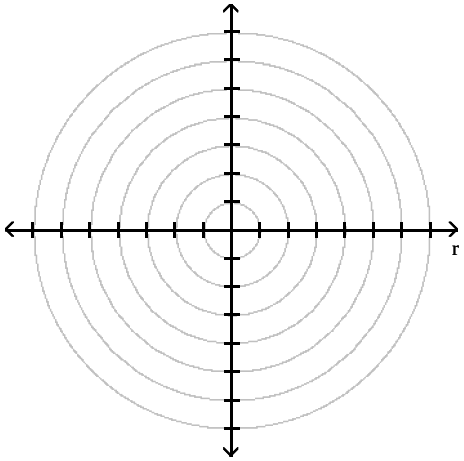
3) $r = -\frac{1}{2} - \sin\theta$

3) _____



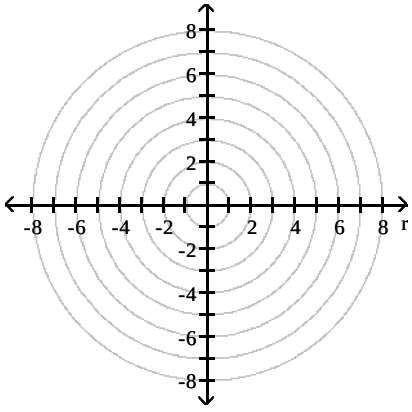
4) $r = 6 - 7\cos\theta$

4) _____

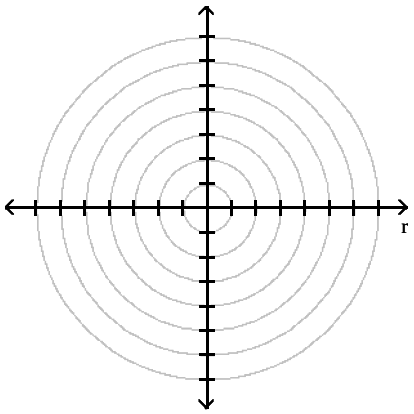


5) $r = 5\cos 6\theta$

5) _____



6) $r = e^{\theta/2}$ 6) _____



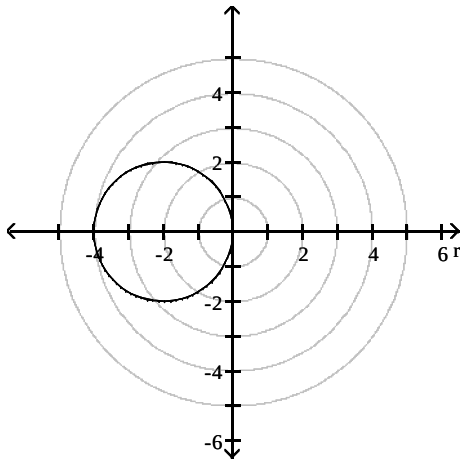
Find the polar coordinates of the point(s) of intersection of the given curves for $0 \le \theta < 2\pi$.

7) $r = \sin\theta$, $r = 1 - \sin\theta$ 7) _____

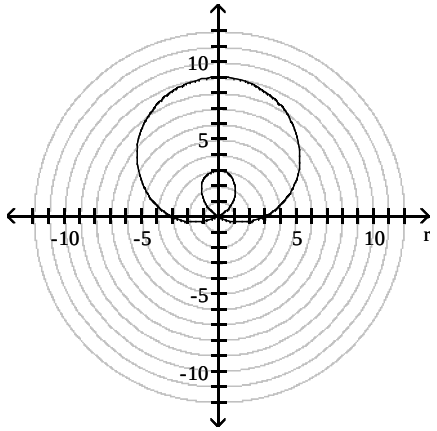
8) $r = 1 + \sin\theta$, $r = 1 - \sin\theta$ 8) _____

Answer Key
Testname: UNTITLED1

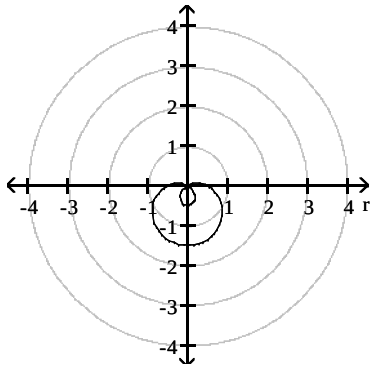
1)



2)

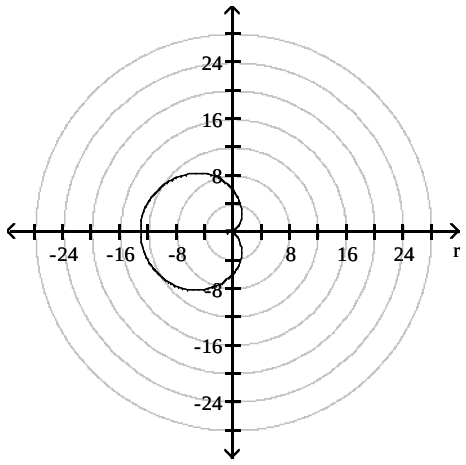


3)

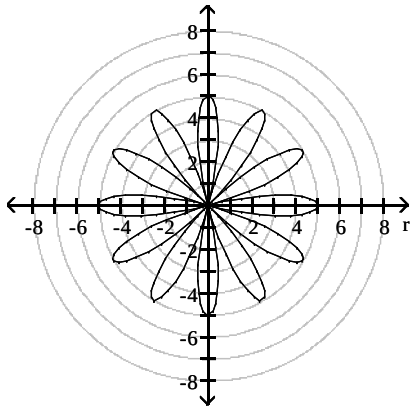


Answer Key
Testname: UNTITLED1

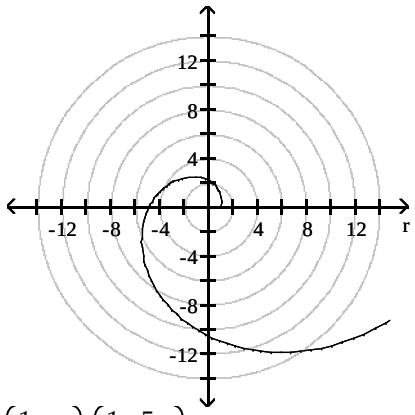
4)



5)



6)



7) $\left(\frac{1}{2}, \frac{\pi}{6}\right), \left(\frac{1}{2}, \frac{5\pi}{6}\right)$

8) (1, 0), (1, π)