

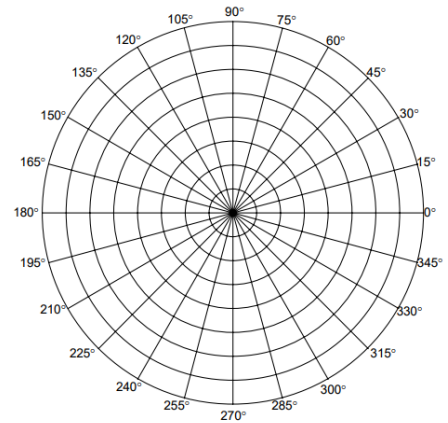
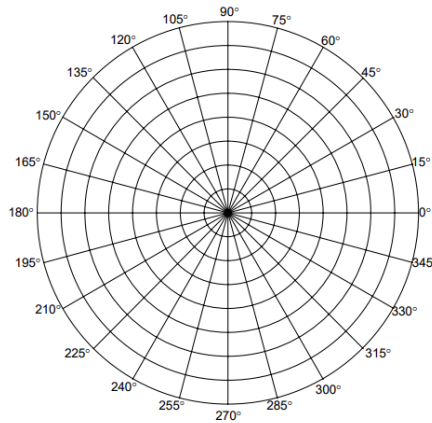
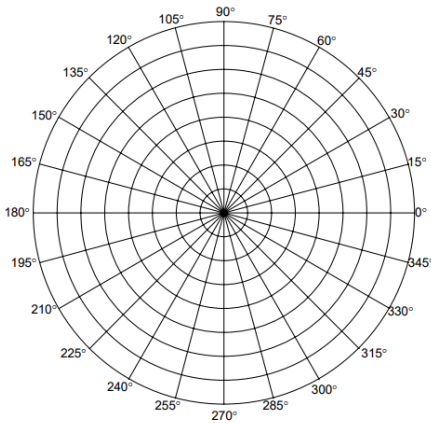
Graph the following equations using the information from the lesson. Do not use a calculator.

A. State the name of the curve. B. Show in a table/chart all points used to graph. C. Graph the curve.

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

2. $r = 3\cos\theta$

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



Name: _____

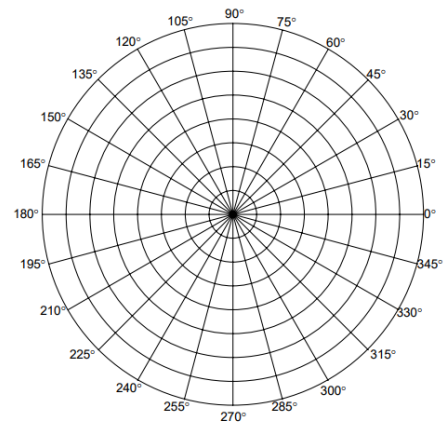
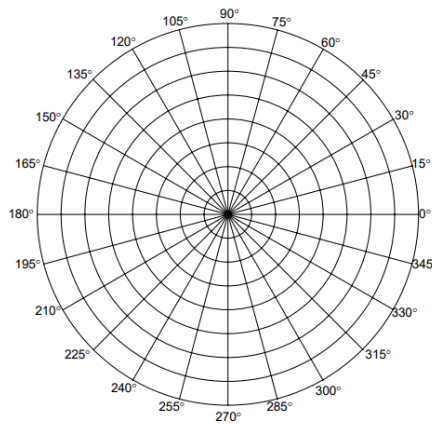
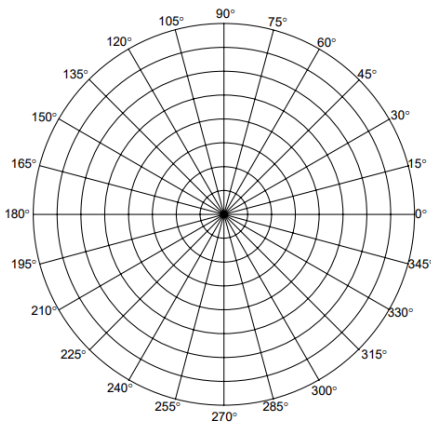
Name: _____

Name: _____

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

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

6. $r = 3$



Name: _____

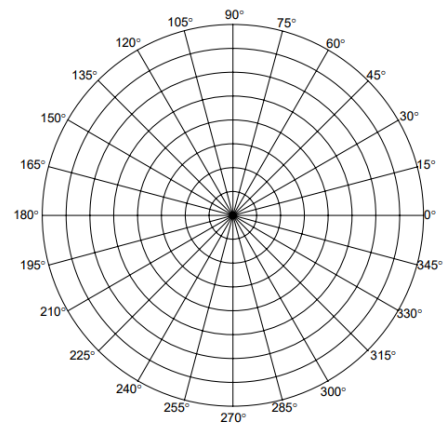
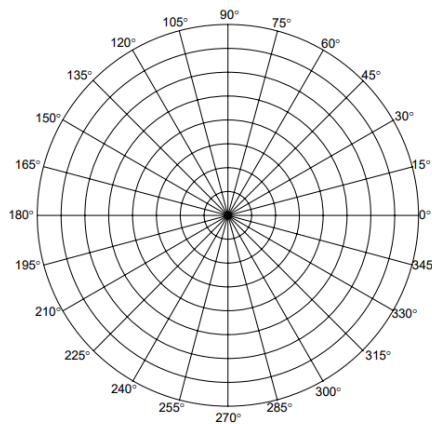
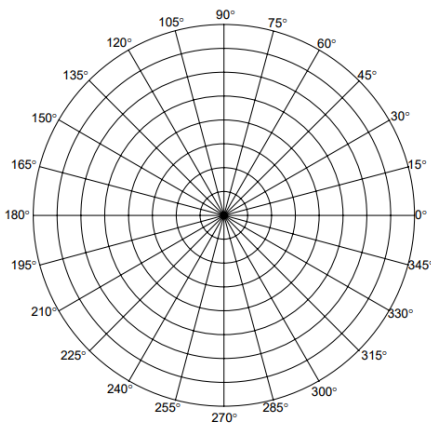
Name: _____

Name: _____

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

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

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

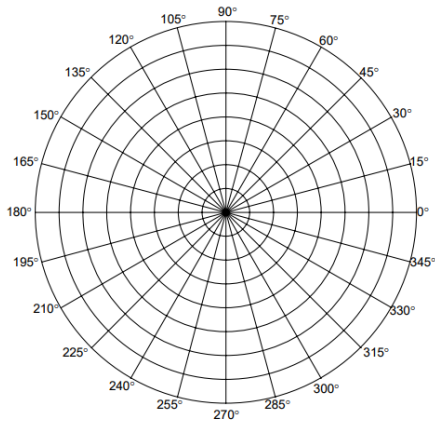


Name: _____

Name: _____

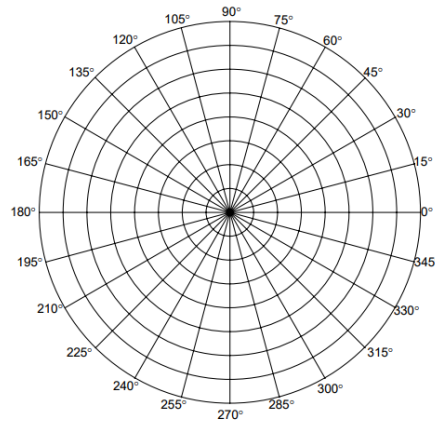
Name: _____

$$10. r^2 = 4 \sin 2\alpha$$



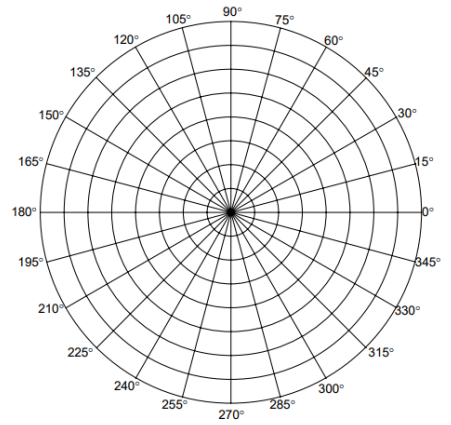
Name: _____

$$11. r^2 = 9 \cos 2\alpha$$



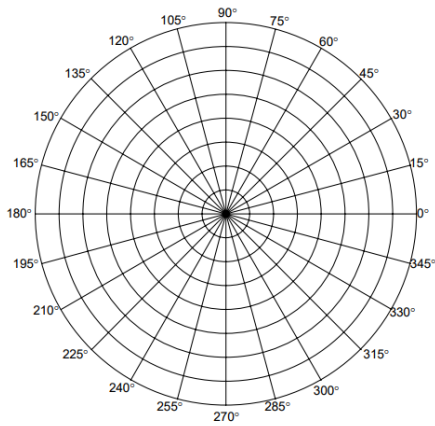
Name: _____

$$12. r^2 = -25 \sin 2\theta$$



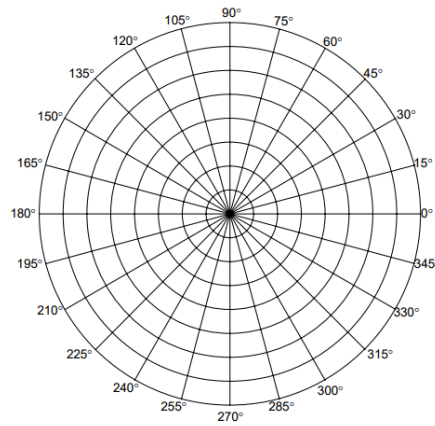
Name: _____

$$13. r^2 = -5 \cos 2\theta$$



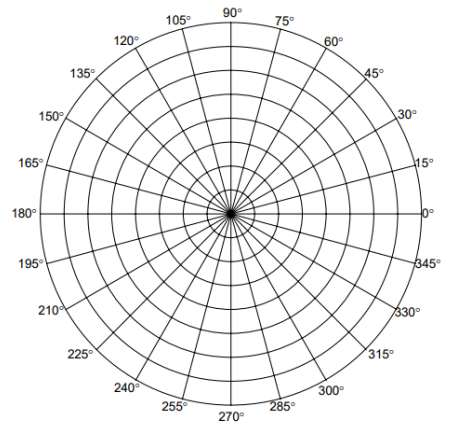
Name: _____

$$14. r = 2 \sin 3\alpha$$



Name: _____

$$15. r = 4 - 5 \sin \theta$$



Name: _____