

Graphing

Name _____

Graph and label each polar equation.

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

2. $r = 16\sin \theta$

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

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

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

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

7. $r = -2\sin \theta$

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

9. $r^2 = 9\cos 2\theta$

10. $r = 2\sin 4\theta$

11. $r = 4 + 5\cos \theta$

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

13. $r = 3 + 2\sin \theta$

14. $2 - 3\cos \theta$

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

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

17. $r = 4\sin \theta$

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

Graphing

Name _____

Graph and label each polar equation.

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

2. $r = 16\sin \theta$

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

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

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

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

7. $r = -2\sin \theta$

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

9. $r^2 = 9\cos 2\theta$

10. $r = 2\sin 4\theta$

11. $r = 4 + 5\cos \theta$

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

13. $r = 3 + 2\sin \theta$

14. $2 - 3\cos \theta$

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

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

17. $r = 4\sin \theta$

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