

Math 202
Polar Graphing and Area Homework
Monday, September 25, 2006

Sketch each of the following curves in polar coordinates.

1. $r = 3 + 4 \cos \theta$

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

3. $r = 4\theta \quad (\theta \leq 0)$

4. $r = 9 \sin 4\theta$

5. $r = \sin(\theta/2)$

Do Exercises 20,21,22,23 of §8.3 in your textbook.