Review Packet for Final Exam

Material since Exam #3

Math 121-D. Benedetto

Polar Coordinates: For each problem, sketch the polar curve(s) and answer the related question(s).

- 1. Find the area bounded by $r = 2\sin\theta$.
- 2. Find/the/area/bothded/by/one/betal/loop/of the/4/leaned/bothde/h/3/shd/20)/
- 3. F/ind//vhd/stest/bothndest/by////#/0/xtith/0/4/0/4/0/4/2/t
- 4. Find the area bounded by the cardioid $r = 2 + 2\sin\theta$.
- 5. Find the area bounded inside $r = 2 + 2\cos\theta$ and outside r = 3.
- 6. Find the area bounded inside $r = 2\sin\theta$ and outside $r = \sqrt{2}$.
- 7. Find the area bounded inside $r = 3 + 3\sin\theta$ and outside $r = \frac{9}{2}$.
- 8. Find the area bounded outside the polar curve $r = 2 + 2\cos\theta$ and inside the polar curve $r = 6\cos\theta$.