

Math 201-142 Quiz 2

Name _____ Section ___ Id _____
Serial#

- a) Set up , but do not evaluate, the area inside the circle $r = 3\cos\theta$ and outside the cardioid $r = (1 + \cos\theta)$
- b) Draw the lemniscate $r^2 = 9\cos(2\theta)$. Also, write down the Cartesian equations of the tangents at the origin to this curve