MATH 251, Section _____   Quiz 8 (Sections 13.4, 13.5).
Thursday, Oct. 21, 2010   Dr. M. Vorobets

NAME (print): _____

No credit for unsupported answers will be given. Clearly indicate your final answer.

  1. *[5 pts.]* Graph the curve $r = 1 + \sin\theta$

2. *[5 pts.]* Evaluate

$$\iint\limits_{D} \sqrt{x^2 + y^2} \; dA$$

where D is the region that lies inside the cardioid $r = 1 + \sin\theta$ and outside the circle $r = 1$.