

Math 10460 - Honors Mathematics II

Homework 2c - Due Wednesday, January 27

- (8) Exercise 12.27 from the text
- (9) Exercise 12.33 from the text
- (10) Exercise 12.37 from the text
- (11) Find the area enclosed by the cardioid $r = 1 + \cos \theta$. Recall the half-angle formula

$$\cos^2 \theta = \frac{1 + \cos 2\theta}{2}.$$