

Name: _____

1. Class notes for this week: This week we have covered Sections 3.7 and 3.8. Next week we will cover Section 3.9, Section 4.1, and Appendix E, which covers background material for the notation and computations in Section 4.1.
2. (3 points) Find the points on the ellipse $4x^2 + y^2 = 4$ that are farthest away from the point $(1, 0)$.

3. (2 points) Use Newton's method to find the roots of $\cos x = \sqrt{x}$ correct to four decimal places.