Quiz 3

MATH 1231 – Single-variable Calculus I Summer 2016

Total Points:	10	Total Time:	15 minutes
Name:		Date:	

Read all of the following information before starting the quiz:

- Show all work, clearly and in order, to get full credit. I reserve the right to take off points if I cannot see how you arrived at your answer (even if your final answer is correct).
- Do not use calculators.
- Circle or otherwise indicate your final answers.
- 1. Find a slant asymptote of the function

$$y = \frac{2x^3 + x^2 + 1}{x^2 + 1}$$

2.	Find 1	the points	s on the	ellipse $4x$	$x^2 + y^2 =$	4 that a	re farthest	away 1	rom th	e point	(1,0).