

Math 1A Quiz 2
February 8th, 2008

Name _____ SID _____

1. Calculate:

$$\lim_{x \rightarrow -\infty} \frac{x^4 + x^3 + 2 + \sin x}{\sqrt{1 + 2x^8 + 2x^4 + 3}}$$

2. Show that the equation $x^4 = e^x + 2$ has at least two solutions. (Remember that e is approximately 2.7).