



Handout 5

Extra Credit

MATH 140 Lab: Section 1

Lab Instructor (TA): Mohammed Kaabar

Student's Name:-----

Student's ID:-----

Note: This handout covers the applications of exponential and logarithmic functions.

Problem 1: Find $\lim_{n \rightarrow 0} \left(n^2 \sin \left(\frac{\pi}{n} \right) \right)$.

Problem 2: Find $\lim_{k \rightarrow 0} \left(\frac{3k^2 + \sin(2k)}{k} \right)$.

Problem 3: Find $\lim_{m \rightarrow 2} \frac{|m-2|}{4-2m}$.