

Name: _____
Student ID: _____

Quiz 7

This quiz is graded out of 10 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. pg.110#6 (6 marks) Graph the pair of functions $y = 3^{x+1}$ and $y = \log_3 x - 1$ with $y = x$ on the same axes.

Question 2. pg.132#26 (4 marks) Solve for x in the equation.

$$32^{x-3} = \left(\frac{1}{2}\right)^{2x+5}$$