

Name: _____

Student ID: _____

Quiz 10

Question 1. (4 marks) Evaluate 1024^{64} expressing your answer in scientific notation.

Question 2. (6 marks) Solve for x :

(a) $15 \cdot 6^{x+2} = 23^x$

(b) $\frac{1}{2} \log(x+2) + \log 5 = 1$