

Math 115, Section 068 - Extra Credit 1 Name: _____
Date: 9/14/18

Write legibly, show work and indicate your final answers. I am grading this based on effort. I can tell if you tried this 5 minutes before handing it in and you will not receive credit. Hand this in at the beginning of class on Wednesday (9/19/18)

1. Solve for x in the following equations algebraically. Show all your work step by step and write your answers in **exact form** to receive full credit.

(a) $4(10^{2\log(x)+1}) = 3$

(b) $e^{kx} = 2e^{x+2}$

(c) $\log(100x) = 2 + 2\log(x^2)$

- $$y = f(x) = A \cos(Bx) + K$$

- $$f(x) = \underline{\hspace{2cm}}$$

- The x-coordinates are: _____