

Name _____ Date _____

Solve the exponential equation W/S 4

1) $10^{-x} = 4$

2) $5^x = 4^{x+1}$

3) $-2 + 3e^x = 10$

4) $4 + 3^{5x} = 8$

5) $e^{2x} - 3e^x + 2 = 0$

6) $e^{2x} - e^x - 6 = 0$

7) $x^2e^x + xe^x - x^x = 0$

Solve the Logarithmic Equation

$$8) \log(x+5) = 2$$

$$9) \log_3(2-x) = 3$$

$$10) \ln(x+3) = 7$$

$$11) 2 - \ln(3-x) = 0$$

$$12) \log x + \log(x-3) = 1$$

$$13) \log_6 x + \log_6(x+5) = 2$$