

AFM

PRACTICE FOR UNIT TEST

Act. #54

* UNIT TEST ON LOGARITHMS IS TOMORROW.

* Solve the following.

$$\textcircled{1} \log_3 (4x+11) = 2$$

$$\textcircled{6} \frac{1}{2} \log_5 16 = \log_5 4 + \log_5 x$$

$$\textcircled{2} 5 \ln (2x) = 15$$

$$\textcircled{7} 3e^{x-2} = 9$$

$$\textcircled{3} \ln (x-6) - \ln (x-5) = \ln 6$$

$$\textcircled{8} \log_2 (x^2 - 2x) = \log_2 2^4$$

$$\textcircled{4} 3 = \log_5 x - \log_5 2$$

$$\textcircled{9} 10 + e^{6x} = 15$$

$$\textcircled{5} \log_2 (x+5) - \log_2 (3x-1) = \frac{2}{\log_2 3}$$

$$\textcircled{10} \log_4 5 + \log_4 2 + \log_4 x = \log_4 20$$

* THESE 10 PROBLEMS ARE VERY, VERY SIMILAR TO UNIT TEST PROBLEMS. ✓

* Substitute should write the solutions on the board.