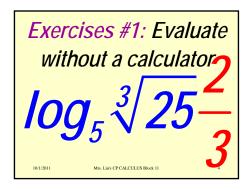
cp calc block 11
hw odds p55,
59-101

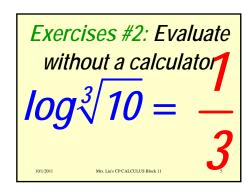
Ch1.6 (II)
Exponential and
Logarithmic
Functions

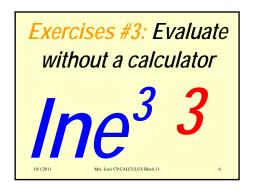
Ma. Lake OPCALCULUS Block 11 2

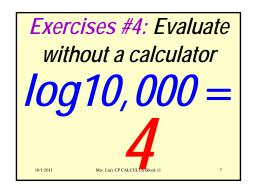
Objective D
How to develop and use properties of the natural logarithmic function

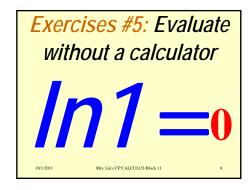
Malance Description 101201 Malance Description

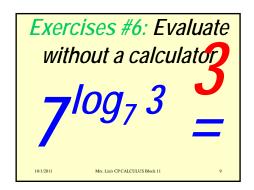


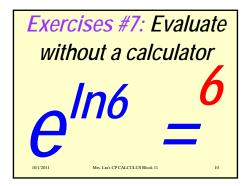


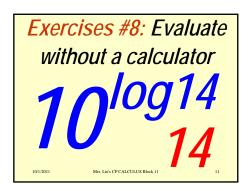


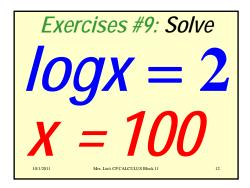












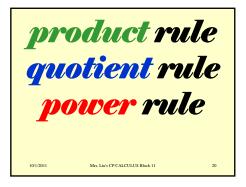
Exercises #10: Solve
$$log x = -1$$
 $x = 0.1$ 

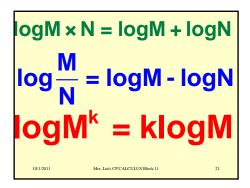
No. Lin' CPCALCULUS Block 11 13

Exercises #13: Solve by a calculator
$$10^{X} = 3$$

$$1093 \approx 0.4771$$

$$101/2011$$
Mrs. Lin's CPCALCULUS Block 11 16





Exercises 18: Expand
$$lnx(x-2)^3$$
1012011 Mrs. Lin's CPCALCULUS Block 11 24

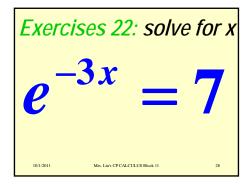
Exercises 19: Write as a single quantity
$$\frac{3}{2}\{\ln(x^2+1) - \ln(x+1) - \ln(x-1)\}$$

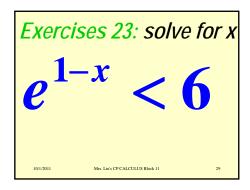
Exercises 20: solve for 
$$x^2$$

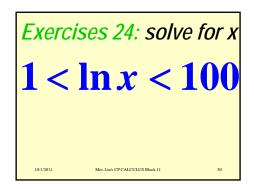
$$e^{\ln 2x} = 3$$
101/2011 Mr. Lin's CPCALCULUS Block 11 26

Exercises 21: solve for 
$$x$$

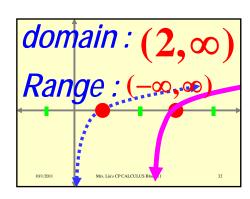
$$\frac{2}{1000} = 8$$



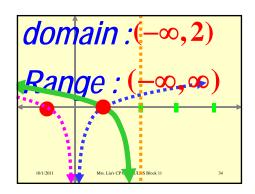




Exercises #25: Sketch the function and state the domain and range.  $f(x) = log_7(x - 2)$ 



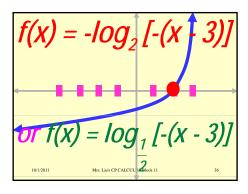
Exercises #26: Sketch the function and state the domain and range.  $f(x) = \log_2(2 - x)$   $f(x) = \log_2[-(x - 2)]$ MR. LEW CPCARTILIS BLOCK 13

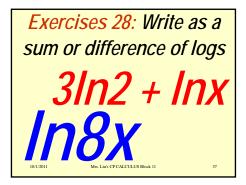


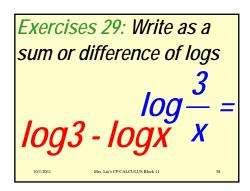
Exercises #27: Write

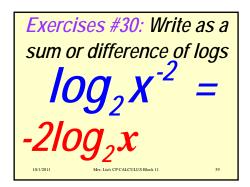
a logarithmic
function with a base
2 for the graph

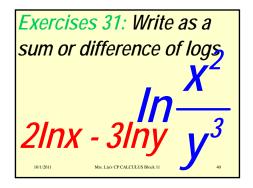
provided
3



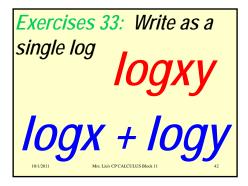


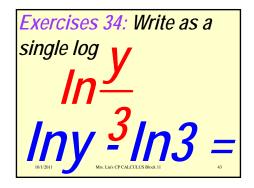




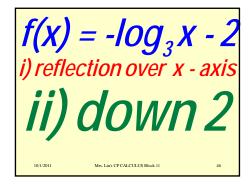


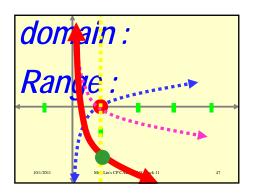
Exercises 32 Write as a sum or difference of logs
$$\frac{3\sqrt{X}}{3\sqrt{X}} = \frac{1}{3} \ln x - \frac{1}{3} \ln y$$
MR. Lin's CPCALCULUS Block II 41

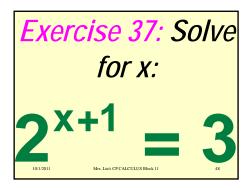


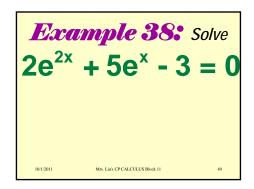


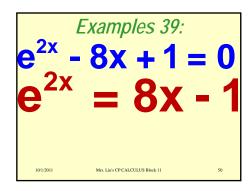
Exercises 36: Sketch the function and state the domain and range, then analyze 
$$f(x) = log_{1}(9x)$$
101201 Mr. Lang CALCULUS Block 11 45



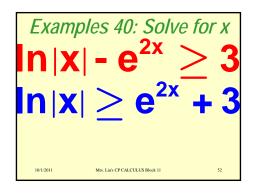


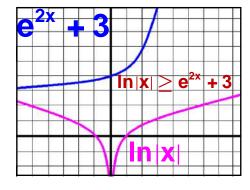


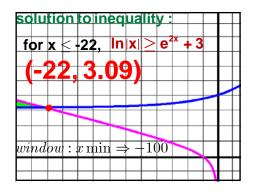


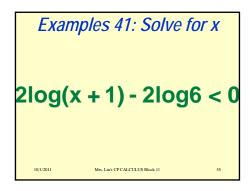


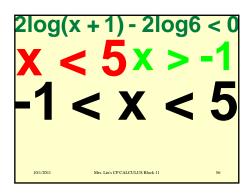


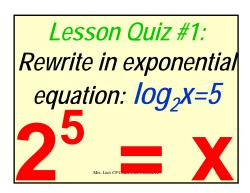


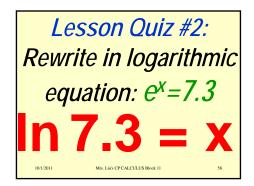


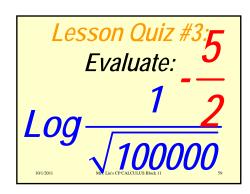


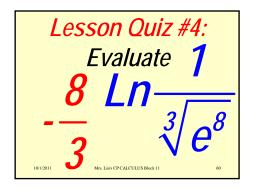


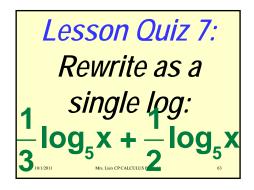


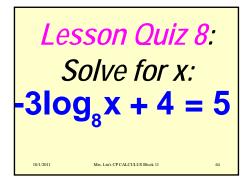


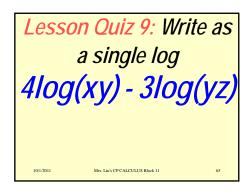


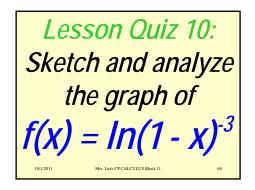


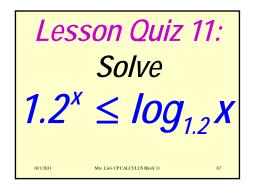












Lesson quiz 12: Solve
$$\frac{100}{5 + e^{-X}} = 4$$

