

Name \_\_\_\_\_ Date \_\_\_\_\_

Quiz: Logarithmic Equations

Solve for x:

1  $4 + 2 \ln x = 8$

2  $\log_4(x+8) = 5$

3  $6 \ln(9x) = 36$

4  $\log_4(5x-4) = 3$

5  $\log_2(14x) - \log_2(x^2-8) = \log_2 7$

6  $\log x = \log(4-3x)$

7  $\ln(6x-5) + \ln(4x-5) = 2 \ln x$

8  $5 \ln x = 20$

Solve by graphing:

9  $\ln x = -x^4 + 7$

10  $\log(16x-1) = -x + 10$

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%