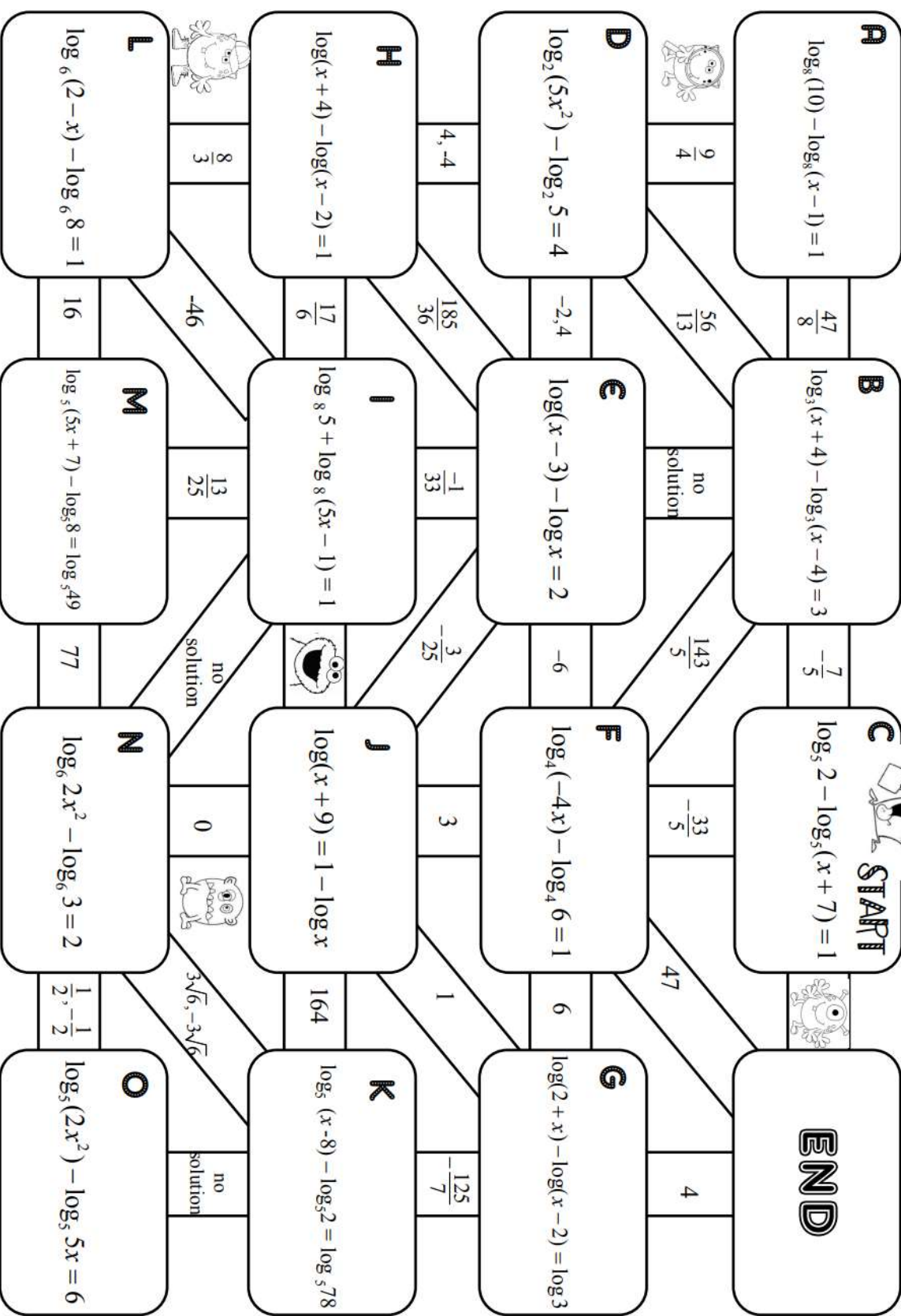


LOGARITHMIC EQUATIONS

NAME _____

Solve these equations starting at the start box and continuing until you reach the "END". Not all problems may be used.



Show all work for credit! What you plugged in the calculator.

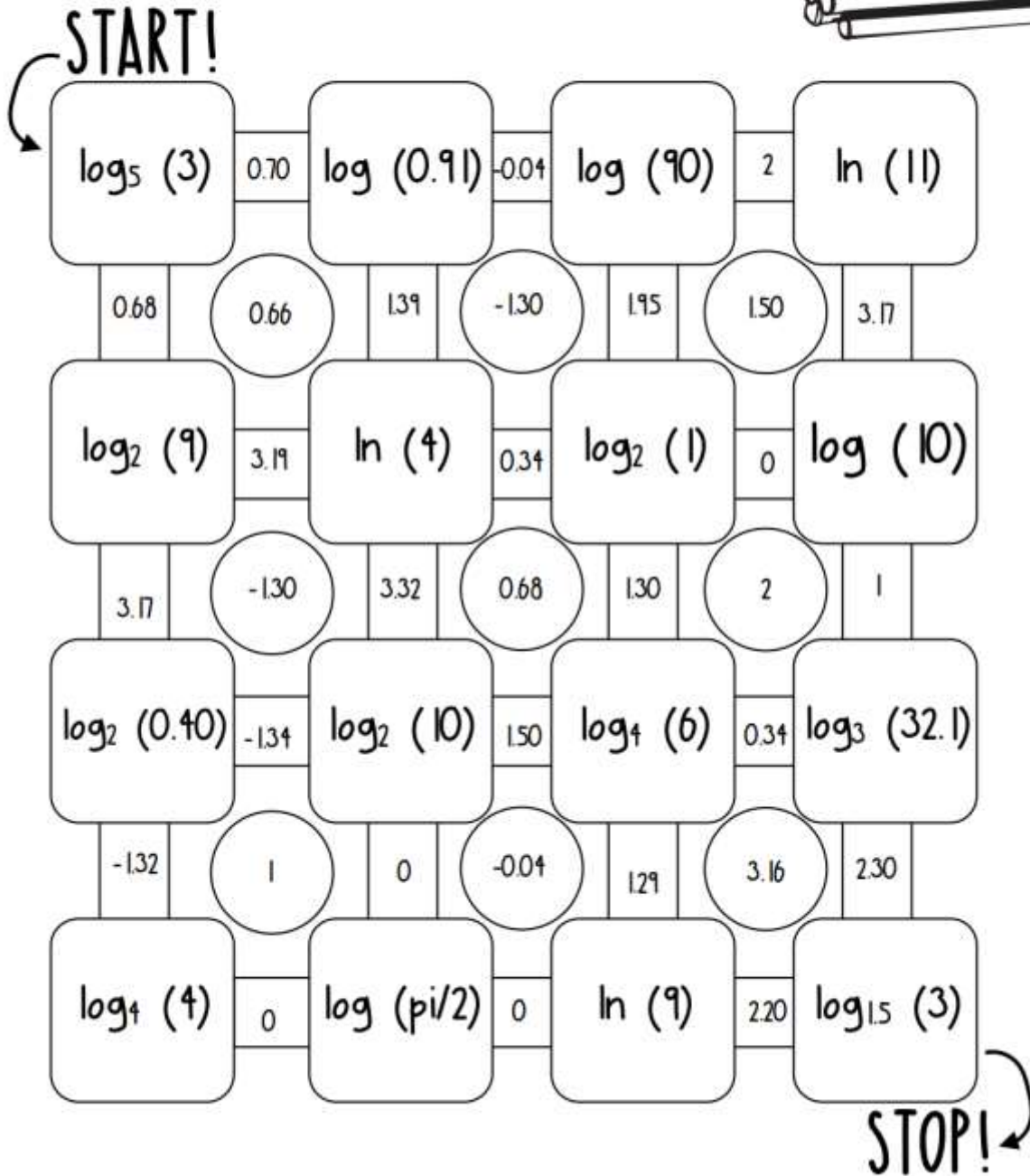
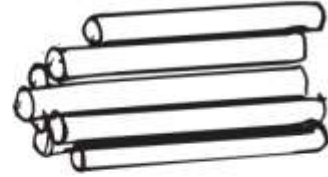
Name: _____

Date: _____

Score: _____


Calculating Logs Maze

Instructions: Calculate each log until you reach the STOP point.
Round your answers to the nearest hundredths place.



Logarithmic Equations Maze

Directions: Find the solution to each equation to "find the log" and solve the maze. SHOW YOUR WORK!

START: $\log_3 81 = x$	$\log_{27} x = \frac{1}{3}$	$\log_5 x = 2$	$\log_{32} x = \frac{1}{5}$
5	3	25	
4	-4	64	-64
$\log_8 x = \frac{1}{3}$	$\log_4 x = 3$	$\log_9 x = \frac{1}{2}$	$\log 0.01 = x$
2	12	3	
-2	-9	10	6
$\log_{\frac{1}{3}} x = -2$	$\log_4 256 = x$	$\log_3 x = -2$	$\log_{\frac{1}{5}} x = 2$
4	$\frac{1}{9}$	32	
9	$\frac{1}{9}$	5	-9
$\log_{16} x = \frac{1}{4}$	$\log_2 64 = x$	$\log_{\sqrt{5}} 5 = x$	STOP! 
2	6	2	

You must show all work on the maze for credit. **SHOW ALL WORK FOR THE MAZE ON THESE PAGES, or on a separate sheet of paper, for credit.**

Logarithmic Equations
Show your work below:

Name _____



Logarithmic Equations

Show your work below:

Name _____



Blank rounded rectangular box for work.

Blank rounded rectangular box for work.

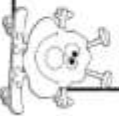


Blank rounded rectangular box for work.



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Blank rounded rectangular box for work.



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