

# **Math Virtual Learning**

# College Algebra

**April 28, 2020** 



# College Algebra

Lesson: April 28, 2020

Objective/Learning Target: Students will identify and solve logarithmic equations



# Warm Up Activity:

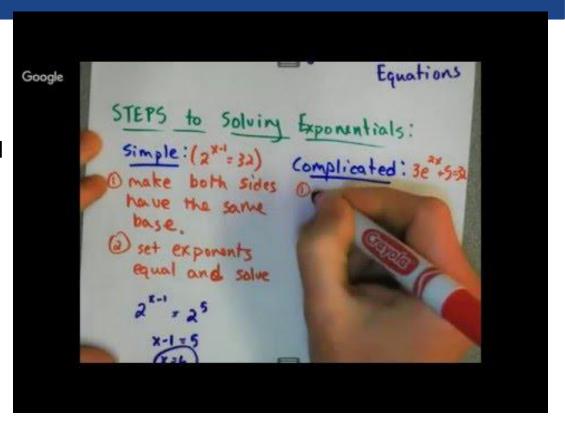
Practice the problems at the link to refresh your skills on properties of logarithms.

Skill Practice



#### Lesson:

Watch the video until 11:55. We encourage you to have your own sheet of paper out and work along with the video





**Practice:** Click on the different links and work the interactive problems, you will need your own sheet of paper to work along the problems

Practice 1
Practice 2



### Additional Practice:

- Solve for x: ln(x + 5) = ln(x 1) ln(x + 1)
- {-2,-3} b. No Solution c. {3} d.

{2, 3}

- Solve for x:  $log_4x log_4(x-1) = \frac{1}{2}$ 43.
  - a.

{1,2} b. No Solution c {2} d. {-2}

Work Problems 42 & 43 -- click and scroll down for answers



## **Additional Practice:**

61. Solve: 
$$\log_2 x + \log_2 (x - 4) = 2$$

66. Solve: 
$$\log_2 x + \log_2 (x+2) = \log_2 (x+6)$$

68. Solve:  $\log_5 x = -3$ 

Work Problem 61, 66, & 68-- click and scroll down for answers



# **Additional Practice Answers:**

42. E

43.

61. 
$$2+2\sqrt{2}$$

66. 
$$x = 2$$

**68.** 
$$x = \frac{1}{125}$$