



# Math Virtual Learning

# College Algebra

**April 27, 2020**



College Algebra  
Lesson: April 27, 2020

**Objective/Learning Target: Students will identify  
and solve exponential equations**



## Warm Up Activity:

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

[Skill Practice](#)

## Lesson:

Watch the video until 5:37. We encourage you to have your own sheet of paper out and work along with the video

Google

Equations

STEPS to Solving Exponentials:

Simple:  $(2^{x-1} = 32)$

Complicated:  $3e^{2x} + 5 = 31$

- ① make both sides have the same base.
- ② set exponents equal and solve

$2^{x-1} = 2^5$

$x-1 = 5$

$x = 6$



**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:

If you would like more equations to practice, here is a link to extra practice and examples.

[Work Problems 37 & 38 -- scroll down for answers](#)  
[Work Problem 62, 67, & 69-- scroll down for answers](#)