



Math Virtual Learning

Algebra 2B

Solving Exponential Equations

April 7, 2020



Lesson: April 7, 2020

Objective/Learning Target:

Students will review solving exponential equations.

Bell Work

To prepare for the lesson, solve this linear equation.

$$5x + 14 = 2x + 8 - 3x$$

Bell Work

Answer Key

Here is the worked out solution:

$$5x + 14 = 2x + 8 - 3x$$

$$5x + 14 = -1x + 8$$

$$+ 1x \quad \quad + 1x$$

$$6x + 14 = 8$$

$$- 14 \quad - 14$$

$$6x = -6$$

$$/6 \quad /6$$

$$x = -1$$

Lesson

Watch this [video](#) that demonstrates how to solve exponential equations.

The video covers the first 8 problems.

Pause the video at any time and try to work on the problem on a sheet of paper to see if you can do it on your own.

Practice

Once you feel you have a grasp on the concept, then work on the rest of the practice problems. The assignment has the answer key at the bottom.

[Solving Exponential Equations Not Requiring Logarithms](#)

[Practice Problems](#)

Additional Practice

Click the link for [additional practice solving exponential equations.](#)

You will get feedback on your answers!