

**GRADES 6-12 DISTANCE LEARNING**

<b>School Name</b>	Aledo High School
<b>Grade Level</b>	10th and 11th
<b>Week of</b>	4/6/20 *All assigned work due by Sunday at midnight

**(PAP ALGEBRA 2) and Reg ALGEBRA 2**  
Week at a Glance

**Objectives for the Week (TEKS):**

**5.C :rewrite exponential equations as their corresponding logarithmic equation and logarithmic equation as their corresponding exponential equations**

**5.D solve exponential equations of the form  $y=ab^x$  where a is a nonzero real number and  $b > 0$  but not equal to one and single logarithmic equations having real solutions**

**Lesson Frame:**

We Will: Analyze, interpret, and discuss the inverse relationship between logs and exponentials

I Will: be able to rewrite logs as exponentials and vice versa, and apply to solving logarithmic equations

So That I Can: solve logarithmic equations in real world applications

**Estimated Time to Complete: 2 hours**

**Resources Needed: Notes over 9.1 and 9.2; WS 9.1 and 9.2 on Google slides (also attached as a pdf)**

**Non-Digital Resources: paper and pencil**

**Lesson Delivery (What do we want you to learn?):**

**Notes 9.1 and 9.2 as google slides with video commentary (NOTE: slides are easy to follow even without video)**

[Notes 9.1 and 9.2 \(PDF\)](#)

[Note 9.1 and 9.2 Google Slides](#)

**Engage and Practice (What do we want you to do?):**

**Practice the skills from the notes by following the 4 practice slides provided at the end of the slide show.**

[WS 9.1 and 9.2 \(PDF\)](#)

**Create and Submit (What do we want you to turn in?):**

**WS 9.1-9.2 as pdf  
Assignments 9.1 & 9.2**

**Optional Extension Opportunity (What do we want you to do if you want to extend your learning?):**

**REG & PAP: Create a Compare and Contrast Map over the inverse relationship of the logarithmic function and the exponential function.**

**PAP: Also, take it to writing. A complete essay with an intro, body paragraphs, and a conclusion paragraph.**