Algebra 1- Unit 1.7 Chapter 8: Exponents and Exponential Functions

1. *Title each page with the section number and the assignment description. Include the date as part of your heading.*
2. *For each problem, write the original information. Show all process steps. Circle or box in the final answer. Use pencil.*

January 2020

Sun	Mon	Tue	Wed	Thur	Fri	Sat
12	13 8.1 & 8.2 **Exponent Properties & Exponent Quotient Properties** ✓ Hwk: 8.1 p.492 #1, 10, 11, 22, 25, 31, 41, 42, 45, 46, 48, 49 **AND** 8.2 p.498 #5, 9, 13, 21, 24, 29, 35, 38, 44, 53	14 8.3A **Zero and Negative Exponents** ✓ Hwk: 8.3a p.506 #1, 4-11, 18-24, 27-35, 41, 43, 44, 51, 53, 55, 60-68 even	15 8.3B **Zero and Negative Exponents** ✓ Hwk: 8.3b p.506 #2, 3, 12, 14-17, 25, 26, 36-40, 42, 45-47, 50, 52, 54, 58, 63, 67, 68	16 8.4 **Use Scientific Notation** ✓ Hwk: 8.4 p.515 #1, 3, 5-7, 14, 17, 22, 30, 33, 40-43, 46, 56	17 Review 8.1-8.4 ****Start 8.5 Notes** ✓ Hwk: Review 8.1-8.4 wkst.	18
19	20 No School MLK Day	21 8.5 **Exponential Growth** ✓ **Quiz 8.1-8.4** ✓ Hwk: : 8.5 p.523 #1-4, 7, 9, 13, 17, 23, 31, 36, 42, 55, 60	22 8.6 **Exponential Decay** ✓ Hwk: 8.6 p.535 #1-4, 7, 9, 13, 19, 20, 26, 32-34, 38, 41, 42, 48, 55, 57, 65	23 **Chapter Review A** ✓ Hwk: Ch8 Rev. p. 543 #1-41 odd	24 **Chapter Review B** ✓ Clwk: Board challenges with practice problems. ✓ Hwk: none	25
26	27 Chapter 8 **Test** ✓ Hwk: word problem wkst					

Homework Club ☺
Mondays & Wednesdays 3:00-4:30 in Ms. Dunham-Bay's Classroom #66

* Students have access to lesson tutorials on Ms. Dunham-Bay's YouTube channel.
https://www.youtube.com/channel/UCfGZXVdXXDtV3NIl4V0tR1A
Go to the current unit you are working in and select the lesson needed.
**Free online Tutor: sled.alaska.edu/homework.html
** Students on base also have tutoring available at the YS

Essential Questions:
- What is the difference between "multiples" and "powers of magnitude"?
- When are exponential properties used to simplify expressions?
- What types of real-world situations are modeled using exponents or exponentials?
- Are exponential equations functions? Are their graphs predictable?
- Can you compare linear and exponential functions?

Vocabulary:
- order of magnitude
- scientific notation
- exponential function
- exponential growth
- exponential decay