Announcements

Last call for MAP and word problem makeups - these need to be scheduled with me today.

Test on Wednesday during NC Check-In Time

Quiz retake on Wednesday after you finish your test

Unit Map

Last week -> Exponential Form and Simplifying Powers & Evaluating Expressions

Friday → Zero and Negative Exponents

Monday → Multiplying and Dividing Powers & Power to a Power

Tuesday → Exponents Review Day

Wednesday → Exponents Test, Word Problems Retake, NC Check-Ins

Zero and Negative Exponents

2/1/2019

Pull out your Exponents Foldable

This foldable will be used

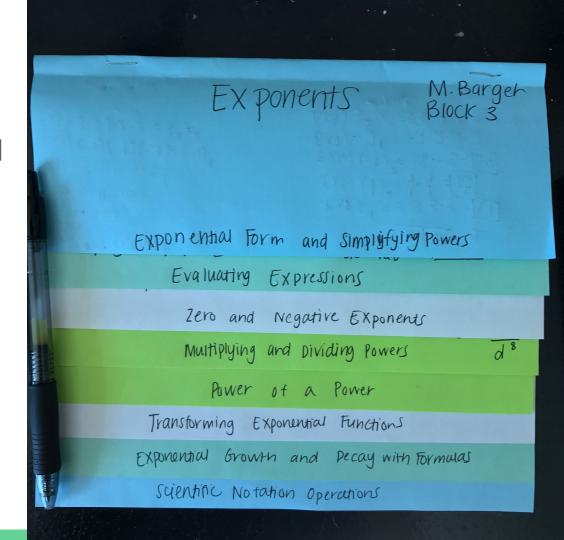
for this ENTIRE UNIT and

also for the next unit!!

Please do not lose this!

Make sure your name is

on it!



Zero and Negative Exponents

Zero and Negative Exponents

*Any nonzero number a,
$$a^{\circ}=1$$
 (any # to the zero power = 1)

* for any nonzero number a and integer n, $a^{-n}=\frac{1}{a^{n}}$ (Switch the Y simplest form has only positive exponents

 EXI) $(-5x)^{\circ}=1$
 $EX2$) $-a^{\circ}=-1$
 $EX3$) $3b^{\circ}=3\cdot 1=3$
 $EX4$) $0^{\circ}=$ not veal (undefined)

 $EX5$) $10^{-4}=\frac{10^{-4}}{1}=\frac{1}{10^{4}}=\frac{1}{10,000}$
 $EX9$) $(\frac{2a}{5})^{-2}=(\frac{5}{2a})^{2}=\frac{5}{2a}=\frac{25}{2a}$
 $EX9$) $(\frac{2a}{5})^{-2}=(\frac{5}{2a})^{2}=\frac{5}{2a}=\frac{25}{2a}$

Zero and Negative Exponents

Khan Academy Videos

https://www.khanacademy.org/math/in-in-grade-9-ncert/in-in-chapter-1-number-syst
 ems/in-in-laws-of-exponents-for-real-numbers/v/zero-negative-and-fractional-exponents
 - First 40 Seconds (zero exponents)

https://www.khanacademy.org/math/pre-algebra/pre-algebra-exponents-radicals/pre-algebra-negative-exponents/v/negative-exponents (negative exponents)

Homework Worksheet Posted Online