

What do you know about Scientific notation?

Mar 12-9:11 AM

## Ch 8.2 Scientific Notation

Ex 1) Write in decimal form

Rules:

Exponent is positive make the number larger.

Exponent is negative make it smaller.

Exponent tells how many to move.

Mar 11-3:17 PM

Ex1a)  $2.834 \times 10^2$

Ex1b)  $4.9 \times 10^5$

Ex1c)  $7.8 \times 10^{-1}$

Ex1d)  $1.23 \times 10^{-6}$

Mar 11-3:23 PM

**1**  $3.128 \times 10^8$

Mar 11-3:24 PM

**2**  $3.95 \times 10^{-4}$

Mar 11-3:26 PM

### Ex 2) Write in Scientific Notation

#### Rules:

\*Move the decimal so that the number is larger than 1, but less than 10.

\*Drop the zeroes

\*Write as the # x  $10^{\text{exponent}}$

\**exponent*-tells how many places you moved the decimal.

\*If the number was larger than 1, then exponent is positive.

\*If the number was smaller than 1, then the exponent is negative.

Mar 11-3:27 PM

Ex2a) 34,690

Ex2b) 1.78

Ex2c) 0.000722

Ex2d) 5,600,000

Mar 11-3:35 PM

Try #3. 352,314,000      Try #4. 3.2

Try #5. 0.0471      Try#6. 0.0000428

Mar 11-3:36 PM