

Homework Assignments

Chapter 8: Exponents

All homework is done in a notebook or on loose leaf. Unless problem is meant to be a “mental” problem, all work should be shown.

If assigned the alternate evens, do these problems:

2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58, 62, 66, 70, 74, 78, 82, 86, 90, 94, 98, 102, etc

Homework

- Section 8-1: pgs. 397-399: 2-86 alt evens
- Section 8-2: pgs. 402-404: 2-46 evens
- Section 8-3: pgs. 407-409: 2-78 alt evens
- Section 8-4: pgs. 413-415: 2-66 alt evens
- Section 8-5: pgs. 420-422: 2-82 alt evens
- Bonus on Test: Chapter Test: pg. 450: 1-18: all

Chapter Overview

Exponent Rules:

1. $x^0 = 1$
2. $x^{-a} = 1 / x^a$
3. $(x^a)^b = x^{a \cdot b}$
4. $(x^a)^b = x^{a \cdot b}$
5. $[(x^a)^b]^c = x^{a \cdot b \cdot c}$

Scientific Notation:

Any number, no matter how large or small, can be written as the product of a number between 1 and 10, and a positive or negative power of 10.