

## Chapter 7: Radical Functions and Rational Exponents

In this chapter, you will:

- understand and use the properties of exponents
- find the  $n$ th roots and radical expressions
- simplify monomial radical expressions
- simplify binomial radical expressions
- simplify expressions with rational exponents
- solve radical equations
- graph square root and other radical functions
- use operations with functions
- find inverse relations and functions

Tentative problems, quizzes, tests, and activities for this chapter:

Section / Chapter	Type of assignment	Pages (as applies)	Problems
7-1	Homework	372 – 373	21 – 28, 40 – 49, 80, 82
7-2	Homework	377 – 379	13 – 16, 19 – 22, 25, 26, 28, 30, 32, 78, 87
7-3	Homework	382 – 384	1, 4, 8, 10, 12, 13, 15, 20, 23, 25, 28, 32, 36, 57, 59, 60, 65, 67
7-4	Homework	388 – 389	2 – 12 (even), 15, 20, 23, 24, 30, 34, 36, 39, 42 – 44, 47, 66, 68, 69, 90
7-5	Homework	394 – 395	1, 4, 7, 13, 15 – 17, 19, 21, 24, 32b, 35, 37, 43
7-8	Homework	417 – 418	12 – 24 (even), 38, 40, 48. <b>For all of these problems, state the domain/range and describe the horizontal/vertical shift.</b> 71 – 73 (multiple choice only)
Ch. 7	Review	N/A	N/A
Ch. 7	Test	N/A	N/A

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