

Chapter 8: Exponential and Logarithmic Functions

In this chapter, you will:

- apply models of growth and decay
- graph logarithmic functions
- use properties of logarithms
- model and understand graphs of exponential growth and decay
- evaluate natural logarithmic expressions and solve equations using natural logarithms
- write exponential equations
- write and evaluating log expressions
- solve exponential and logarithmic equations

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

Section / Chapter	Type of assignment	Pages (as applies)	Problems
8-1	Homework	434 – 437	1, 3, 4, 5, 9 – 12, 16 – 19, 25, 29, 35, 36, 40, 70, 72
8-2	Homework	442 – 445	2, 3, 5, 10, 14, 18, 20, 25, 26, 40 – 44, 51, 52, 60, 64, 68
8-3	Homework	450 – 452	2, 4, 6, 7, 8, 11, 14 – 25, 36, 39, 40, 54 – 60 (even), 64 – 68 (even...do not need to graph), 76 – 82 (even)
8-4	Homework	457 – 458	12 – 18 (even), 19, 21, 23, 26, 27, 34 – 42 (even), 74 – 76
8-5	Homework	464 – 468	1 – 11 (odd), 23, 34, 35, 36 – 40 (even), 44 – 46, 50, 53 – 60 (no calculator!!!), 85, 86, 94, 96
8-6	Homework	472 – 475	1 – 5, 8, 14, 17, 21, 23 – 25, 29, 44, 55, 57, 59, 62, 67, 69, 72, 75, 76
Ch. 8	Homework	N/A	Review Worksheet
Ch. 8	Test	N/A	N/A

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