

## Exam 2 Review Assignment

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The list below contains the topics we have covered since the last exam plus a few others. Also listed, are the page numbers and sections where each topic can be found in your online textbook (or in your notes). You should study **all** of the topics below.

For your review assignment, you need to pick **at least six** of the topics below that you think are the hardest or least understood by yourself. You will need to go to these sections in the textbook (or the Activity/Homework worksheet) and **choose at least two problems to complete**. This problem can be a 'practice' problem or one from the section's exercises. **OR**— You may also create your own problem and answer it if the textbook does not have that topic (using the day's notes that are identified).

Topic	Location
Exponents: Product rule	Textbook: Section 5.1, p. 406-407; Day 5 Activity and HW, Day 6 Activity and HW
Exponents: Quotient rule	Textbook: Section 5.1, p. 407-408; Day 6 Activity and HW
Exponents: Power of 0	Textbook: Section 5.1, p. 406; Day 6 Activity and HW
Exponents: Power of 1	Day 5 Activity and HW, Day 6 Activity and HW
Exponents: Power rule	Textbook: Section 5.2, p. 416-420; Day 5 Activity and HW, Day 6 Activity and HW
Exponents: Negative exponents	Textbook: Section 5.1, p. 409-410
Operations with scientific notation	Textbook: Section 5.2, p. 422-424; Day 5 HW, Day 6 Activity and HW
Multiplying Polynomials	Textbook: Section 5.5, p. 452-456, 463-466
Factoring using GCF	Textbook: Section 6.1, p. 495-496
Factoring by grouping	Textbook: Section 6.1, p. 497-498
Factoring a trinomial	Textbook: Section 6.2, p. 503-508
Solving a Literal Equation	Textbook: Section 2.4, p. 155-157
Simplifying with Rational Exponents	Textbook: Section 8.2, p. 655-658
Solving Equations with Fractions & Radicals	Textbook: Section 7.5, p. 601-603 and Section 8.6, p. 692-697; Day 17 Activity and HW
Definition of a Function (given a graph, equation, table)	Textbook: Section 3.6, p. 297; Day 18 Activity and HW
Defining Independent and Dependent Variables	Textbook: Section 3.6, p. 297; Day 18 Notes and Day 18 HW