

Fundamental Concepts of Algebra

Dates	Monday	Tuesday	Wednesday	Thursday	Friday
7/22 – 7/26	No School	Textbooks Intro Syllabus P2 – Exponents	P3A – Radicals and Rational Exponents	P3C – Rational Exponents	P2-P3 Quiz Review
7/29 – 8/2	P2-P3 Quiz	P4A – Polynomials		P5A – Factoring	P5B – Factoring w/Higher Exponents
8/5 – 8/9	P2 - P5 Test Review	P2 – P5 Test		P6A – Rational Expressions	P6B – Multiply & Divide Like Denominators
8/12 – 8/16	P6C – Adding and Subtracting Unlike Denominators	P6D – Complex Rational Expressions	P6 Quiz Review	P6 Quiz	

*Subject to changes

**Assignments due the next class meeting, unless noted **

Section	Learning Targets	Assignment
P2	<ul style="list-style-type: none"> Use the product rule, quotient rule, zero-exponent rule, negative-exponent rule, and the power rule Find the power of a product, and the power of a quotient Simplify exponential expressions 	pg 28 #1-63 eoo (eoo means <u>e</u>very <u>o</u>ther <u>o</u>dd)
P3A	<ul style="list-style-type: none"> Evaluate square roots Simplify expressions of the form $\sqrt{a^2}$ Use the product rule and the quotient rule to simplify square roots Add and subtract square roots Rationalize denominators Evaluate and perform operations with higher roots 	pg 42 #1-51 odds, 55-81 odds
P3C	<ul style="list-style-type: none"> Understand and use rational exponents 	pg 42 #83-107 odds, 111-114
P2-P3 Quiz Review		pg 80-81 #24-30 evens, 40-66 evens, 68-71 all
P4A	<ul style="list-style-type: none"> Understand the vocabulary of polynomials Add and subtract polynomials Multiply polynomials Use FOIL in polynomial multiplication Use special products in polynomial multiplication Perform operations with polynomials in several variables 	pg 55-56 #1-13 odds, 16-35 every 4 th one, 41-79 eoo, 85-89 odds, 91-93, 108

Section	Learning Targets	Assignment
P5A	<ul style="list-style-type: none"> • Factor out the greatest common factor of a polynomial • Factor by grouping • Factor trinomials 	pg 66 #1-37 odds
P5B	<ul style="list-style-type: none"> • Factor the difference of squares • Factor perfect square trinomials • Factor sum and difference of two cubes • Use general strategies for factoring polynomials 	pg 66 #40-64 evens
P2-P5 Test Review		pg 80 #25-31 odds, 41-67 odds, 73-103 odds
P6A	<ul style="list-style-type: none"> • Specify numbers that must be excluded from the domain of a rational expression • Simplify rational expressions 	pg 77 #1-13 odds
P6B	<ul style="list-style-type: none"> • Multiply and divide rational expressions • Add and subtract rational expressions 	pg 77 #15-39 odds
P6C	<ul style="list-style-type: none"> • Add and subtract rational expressions 	pg 77 #41-53 odds
P6D	<ul style="list-style-type: none"> • Simplify complex rational expressions 	pg 77 #55-63 odds
P6 Quiz Review		pg 77 #2-58 evens