integrated algebra

PACING	CHAPTER/ LESSON/ UNIT	LESSON AIM FOR TOPIC	OBJECTIVES FOR AIM	SUGGESTED CLASSWORK	SUGGESTED HOMEWORK	NYSED CONTENT STRAND	TAUGHT IN MS (PRE-REQUISITES)
CHAPTER 7: SYSTEMS OF EQUATIONS AND INEQUALITIES Lesson 7–1: Solving Systems by Graphing							
DAY 1	**Part 1:** Solving Systems by Graphing	How do we solve a system of equations by graphing?	To Understand How to Solve Systems of Equations Graphically.	pp. 374-375: Examples 1, 2, 3 Quick Check 1, 2, 3 p. 377: ex. 1, 2, 5, 6, 13	pp. 377-379 Practice by example: ex. 3, 4, 8, 12, 14 Apply your skills: ex. 23, 35 Challenge: ex. 40, 41	**A.7** Analyze and solve verbal problems whose solution requires solving systems of linear equations of two variables. **G.7** Graph and solve systems of linear equations and inequalities with rational coefficients in two variables.	**8.A.2** Write verbal expressions that match given mathematical expressions **8.G.18** Solve systems of equations graphically (only linear, integral solutions, y = mx + b format, no vertical/horizontal lines)
DAY 2				Hands-on Activities 19 GPS p. 377: ex. 25 Grab & Go Chap 7 Practice 7–1 Reteaching 7–1	Test Prep: ex. 43, 44 Mixed Review: ex. 47–49, 50 –51 All-in-One Wkbk 7–1		
DAY 3	**Part 2:** Analyzing Special Types of Systems	What are special types of systems?	To Analyze Special Types of Systems	pp. 377-378: Examples 4, 5 Quick Check 4, 5 pp. 377-378: ex. 15, 19	Pages 377-380 Practice by example: ex. 17, 18 Apply your skills: ex. 21, 22, 26, 27, 28 Challenge: ex.40 Test Prep: ex. 42		
DAY 4	**Activity Lab:** Solving Systems Using Tables and Graphs: p. 380		To Understand how to solve a System Using a Graphing Calculator	p. 380, Activity 1, 2 Grab & Go Chap. 7 Practice 7–1; Reteaching 7–1	SEE ORIG		

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Lesson 7–2: *Solving Systems Using Substitution*							
DAY 5	**Part 1:** Solving Systems Using Substitution	How do we solve a system algebraically?	To Understand How to Solve a System by Using Substitution	pp. 382-383: Examples 1, 2, 3. Quick Check 1, 2, 3 p. 384: ex. 1-4, 5, 11, 17, 19	pp. 384-386: Practice by example: ex. 7, 10, 13, 16 Apply your skills: ex. 21, 23, 33, 35, 38 Challenge: ex. 40, 41 Test Prep: ex. 45	**A.7** Analyze and solve verbal problems whose solution requires solving systems of linear equations of two variables. **A.10** Solve systems of two linear equations in two variables algebraically.	**7.A.4** Solve multi-step equations by combining like terms, using the distributive property, or moving variables to one side of the equation
DAY 6				GPS p. 384: ex. 24 Grab & Go Chap 7 Practice 7–2 Reteaching 7–2	Mixed review: ex. 50, 52, 54 All-in-One Wkbk 7–2 Lesson Quiz 7–2		
Lesson 7–3: *Solving Systems Using Elimination*							
DAY 7	**Part 1:** Adding or Subtracting to Solve Systems	How can we solve a system using addition and subtraction?	To Understand how to use Addition or Subtraction to Solve a System.	pp. 387-388: Examples 1, 2 Quick Check 1, 2 p. 390-391: ex. 1, 2, 4, 5, 7	Pages 390-393 Practice by example: ex. 3, 6, 8 Apply your skills: ex. 39, 41 Challenge: ex. 44	**A.7** Analyze and solve verbal problems whose solution requires solving systems of linear equations of two variables. **G.7** Graph and solve systems of linear equations and inequalities with rational coefficients in two variables	**7.A.4** Solve multi-step equations by combining like terms, using the distributive property, or moving variables to one side of the equation
DAY 8				Hands-on Activities 20 Grab & Go Chap. 7 Practice 7–3 Reteaching 7–3	Test Prep: ex. 47, 48 Mixed Review: ex. 51-55, 57, 58		

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DAY 9	**Part 2:** Multiplying first to Solve Systems	How can we solve a system by multiplying first?	To Understand how to use Multiplication to Solve a System.	pp. 388-390: Examples 3, 5 Quick Check 3, 5 p. 391: ex. 9, 10, 15, 17	pp. 390-393 Practice by example: ex. 12, 14, 16, 18, 21 Apply your skills: ex. 25, 28, 31, 33, 37	**A.7** Analyze and solve verbal problems whose solution requires solving systems of linear equations of two variables. **G.7** Graph and solve systems of linear equations and inequalities with rational coefficients in two variables	**7.A.4** Solve multi-step equations by combining like terms, using the distributive property, or moving variables to one side of the equation
DAY 10				Hands-on Activities 21 GPS p. 392: ex. 30 Grab & Go Chap 7 Practice 7–3 Reteaching 7–3	Challenge: ex. 42, 43 Mixed Review: ex. 56, 59, 60 All-in-One Wkbk 7–3 Lesson Quiz 7–3		
Lesson 7–4: *Applications of Linear Systems*							
DAY 11	**Part 1:** Writing Systems of Linear Equations	How can we set up a system of equations from a verbal problem?	To Understand How to Write a System of Equations from a Verbal Problem.	pp. 396-399: Examples 1, 2, 3 Quick Check 1, 2, 3 pp. 399-400: ex. 1, 5, 7	pp. 399-402 Practice by example: ex. 2, 3, 6, 8 Apply your skills: ex. 9, 13, 16, 20 Challenge: ex. 24	**A.7** Analyze and solve verbal problems whose solution requires solving systems of linear equations of 2 variables. **G.7** Graph and solve systems of linear equations and inequalities with rational coefficients in 2 variables	**8.PS.6** Represent problem situations verbally, numerically, algebraically, and graphically **8.A.2** Write verbal expressions that match given mathematical expressions
DAY 12				GPS p. 401: ex. 21 Grab & Go Chap 7 Practice 7–4 Reteaching 7–4	Test Prep: ex. 25-27 Mixed review: ex. 29, 35, 41 All-in-One Wkbk 7–4 Lesson Quiz 7–4		

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Lesson 7–5: *Linear Inequalities*							
DAY 13	**Part 1:** Graphing Linear Inequalities	How do we graph linear inequalities?	To understand how to Graph Linear Inequalities.	pp. 404-405: Activity 1 Examples 1, 2 Quick Check 1, 2 p. 407: ex. 1, 2, 3, 7, 11, 19	pp. 407-410 Practice by example: ex. 4-6, 8-10, 18, 22 Apply your skills: ex. 28, 32, 39, Challenge: ex. 49	**A.6** Analyze and solve verbal problems whose solution requires solving a linear equation or linear inequality in one variable. **A.21** Determine whether a given value is a solution to a given linear equation or linear inequality in one variable. **G.6** Graph linear inequalities.	**8.PS 6** Represent problem situations verbally, numerically, algebraically, and graphically **8.A.1** Translate verbal sentences into algebraic inequalities **8.G.19** Graph the solution set of an inequality on a number line **8.A.14** Solve linear inequalities by combining like terms, using the distributive property, or moving variables to one side of the inequality (include multiplication or division of inequalities by a negative number)
DAY 14				Hands-on Activities 16 Grab & Go Chap 7 Practice 7–5 Reteaching 7–5	Test Prep: ex. 50-53 Mixed Review: ex. 55, 57-60, 63-65 All-in-One Wkbk 7–5		
DAY 15	**Part 2:** Modeling Real-World Situations	How do we model real-world situations with linear inequalities?	To Determine solution sets in linear inequalities.	pp. 406 Example 3 Quick Check 3 p. 407 ex. 23	pp. 407-410 Practice by example: ex. 9, 11, 15, 24 Apply your skills: ex. 29, 34, 36, 45		
DAY 16				p. 408 GPS: ex. 37 Apply your skills: ex. 44 Grab & Go Chap 7 Practice 7–5 Reteaching 7–5	Challenge: ex. 46 Mixed Review: ex. 56, 66-70 All-in-One Wkbk 7–5 Lesson Quiz 7–5		

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Lesson 7–6: *Systems of Linear Inequalities*							
DAY 17	**Part 1:** Solving Systems of Linear Inequalities by Graphing	How do we solve systems of linear inequalities by graphing?	To Understand and Graph Systems of Linear Inequalities	pp. 411-413: Examples 1, 2 Quick Check 1, 2 p. 415: ex. 1-3, 4, 16, 17	pp. 414-416 Practice by example: ex. 5, 8, 15, 18, 19 Apply your skills: ex. 25, 26, 32, 36 Challenge: ex. 46 Test Prep: ex. 49, 50 Mixed Review: ex. 53, 56	**A.40** Determine whether a given point is in the solution ser of a system of inequalities. **G.7** Graph and solve systems of linear equations and inequalities with rational coefficients in two variables.	**Note:** Solving a system of equations is a post-March performance indicator and does not include systems of inequalities.
DAY 18	**Part 2:** Writing and Using Systems of Linear Inequalities	How do we write system of linear inequalities from verbal problems?	To Understand how to Write a System of Linear Inequalities form Verbal Problems.	pp. 413-414: Examples 3, 4 Quick Check 3, 4 p. 415: ex. 20, 22	Pages 415-418 Practice by example: ex. 21 Apply your skills: ex. 24, 27, 28, 33, 43 Challenge: ex. 47, 48		
DAY 19				GPS: p. 416 ex. 35 Hands-on Activities 17 Grab & Go Chap 7 Practice 7–6 Reteaching 7–6	Mixed Review: ex. 60, 62, 64, 69 Regents Test Prep p. 425: ex. 1-5 All-in One Wkbk 7–6 Lesson Quiz 7–6		

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CHAPTER 8: EXPONENTS AND EXPONENTIAL FUNCTIONS Lesson 8–1: *Zero and Negative Exponents*							
DAY 20	**Part 1:** Zero and Negative Exponents	How do we evaluate exponential exponents with zero and negative exponents?	To Simplify Expression with Zero and Negative Exponents	pp. 430-432: Activity 1, Examples 2-4; Quick Check 2-4 p. 433: ex. 1, 2, 13, 17, 18, 33, 34, 39	pp. 433-435 Practice by example: ex. 11, 20, 31 Apply your skills: ex. 49, 50, 55, 62, 72, 74	**N.6** Evaluate expressions involving factorials, absolute values, and exponential expressions	**6.A.2** Use substitution to evaluate algebraic expressions (may include exponents of one, two and three) **7.N.14** Develop a conceptual understanding of negative and zero exponents with a base of ten and relate to fractions and decimals (e.g., 10 - 2 = .01 = 1/100) **8.N.2** Evaluate expressions with integral exponents
DAY 21	**Part 2:** Evaluating Exponential Expressions		To Evaluate Exponential Expressions	Grab & Go Chap 8 Practice 8_1 Reteaching 8–1	Challenge: ex. 82, 85, 87 Test Prep: ex 88-93 Mixed Review: ex. 94, 98 All-in-One Wkbk 8–1 Lesson Quiz 8–1		
Lesson 8–2: *Scientific Notation*							
DAY 22	**Part 1:** Writing Numbers in Scientific and Standard Notation	How do we write numbers in scientific and standard notation?	To Write Numbers in Scientific and Standard Notation	pp. 436-437: Examples 1, 2, 3; Quick Check 1-3 pp. 438-439: ex. 1, 2, 7, 8, 15,16, 17, 19	Pages 438-440 Practice by example: ex. 3, 6, 10, 14, 18, 22 Apply your skills: ex. 34, 36, 38, 39, 40	**N.4** Understand and use scientific notation to compute products and quotients	**7.N.5** Write numbers in scientific notation **7.N.6** Translate numbers from scientific notation into standard form **7.N.7** Compare numbers written in scientific notation
DAY 23				Grab & Go Chap 8 Practice 8–2 Reteaching 8–2	Challenge: ex 48 Test Prep: ex. 49 Mixed Review: ex. 55, 57, 59 All-in-One Wkbk 8–2		

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DAY 24	**Part 2:** Using Scientific Notation	How do we use numbers in scientific notation?	To Use Scientific Notation	pp. 437-438: Examples 4, 5, 6; Quick Check 4-6 p. 439: ex. 23, 24, 28, 29	pp. 438-440 Practice by example: ex. 11, 20, 25, 31 Apply your skills: ex. 44, 45 Challenge: ex. 46 Test Prep: ex. 50, 51	**N.4** Understand and use scientific notation to compute products and quotients	**7.N.5** Write numbers in scientific notation **7.N.6** Translate numbers from scientific notation into standard form **7.N.7** Compare numbers written in scientific notation
DAY 25				GPS p. 439 ex. 43 Grab & Go Chap. 8 Practice 8–2 Reteaching 8–2	Mixed Review: ex. 54, 56, 58 All-in-One Wkbk 8–2 Lesson Quiz 8–2		
Lesson 8–3: *Multiplication Properties of Exponents*							
DAY 26	**Part 1:** Multiplying	How do we multiply powers and Numbers in Scientific Notation?	To Multiply Powers To Work With Scientific Notation	pp. 441-443: Activity 1, Examples 1-2; Quick Check 1-2 p. 443: ex. 1, 2, 7, 8, 21	Pages 443-445 Practice by example: ex. 6, 15, 21, 27 Apply your skills: ex. 39, 40, 41, 47, 53, 55	**N.4** Understand and use scientific notation to compute products and quotients **A.12** Multiply and divide monomial expressions with a common base, using the properties of exponents	**8.N.1** Develop and apply the laws of exponents for multiplication and division **8.A.6** Multiply and divide monomials
DAY 27	**Part 2:** Working With Scientific Notation			Example 3-4 Quick Check 3-4 p. 443 ex. 23, 28, 48 GPS p. 445 ex. 56	Challenge: ex. 71, 72 Test Prep: ex. 79-81 Mixed review: ex. 95-97		
DAY 28	Reviewing Powers of Exponents			GPS p. 439 ex. 43 Grab & Go Chap 8 Practice 8–3 Reteaching 8–3	All-in-One Wkbk 8–3 Lesson Quiz 8–3		

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Lesson 8–4: *More Multiplication Properties of Exponents*							
DAY 29	**Part 1:** Raising a Power to a Power	How do we raise powers to a power and raise products to powers?	To Raise a Power to a Power To Raise a Product to a Power	pp. 448-449: Activity 1 Examples 1-2 Quick Check 1-2 pp. 449-450: ex. 2, 8	pp. 449-451 Practice by example: ex. 7, 33, 53, 56 Apply your skills: ex. 60, 61	**N.4** Understand and use scientific notation to compute products and quotients **A.12** Multiply and divide monomial expressions with a common base, using the properties of exponents	**8.N.1** Develop and apply the laws of exponents for multiplication and division **8.A.6** Multiply and divide monomials
DAY 30	**Part 2:** Raising a Product to a Power			Examples 3-5 Quick Check 3-5 p. 450 15, 18, 25 GPS p. 450 ex 51	pp. 450-451 ex. 17, 28, 39, 49, 53, 54 Challenge: ex. 62, 64 Test Prep: ex. 69-73		
DAY 31	Reviewing Raising a Power to a Power			Grab & Go Chap 8 Practice 8–4 Reteaching 8–4	Mixed Review: ex. 75, 82 All-in-One Wkbk 8–4 Lesson Quiz 8–4		

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Lesson 8–5: *Division Properties of Exponents*							
DAY 32	**Part 1:** Dividing Powers with the Same Base.	How do we divide powers of the same base and raise quotients to powers?	To Divide Powers with the Same Base	pp. 453-454: Examples 1-2; Quick Check 1-2 p. 456: ex 1, 5, 13, 37, 48	pp. 456-459 Practice by example: ex. 12, 18, 27, 35 Apply your skills: ex. 38, 40, 42	**N.4** Understand and use scientific notation to compute products and quotients **A.12** Multiply and divide monomial expressions with a common base, using the properties of exponents	**8.N.1** Develop and apply the laws of exponents for multiplication and division **8.A.6** Multiply and divide monomials
DAY 33	**Part 2:** Raising a Quotient to a Power		To Raise a Quotient to a Power	pp. 454-455: Examples 3-4; Quick Check 3-4 ex. 21, 29	Apply your skills 52, 60, 61, 63 Challenge: ex. 79, 81 Test Prep: ex. 84-89		
DAY 34	Reviewing Division of Exponents			GPS p. 457 ex 50 Grab & Go Chap 8 Practice 8–5 Reteaching 8–5	Mixed Review: ex. 100, 103 All-in-One Wkbk 8–5 Lesson Quiz 8–5		
Lesson 8–7: *Exponential Functions*							
DAY 35	**Part 1:** Evaluating Exponential Functions	How do we evaluate and graph exponential functions?	To Evaluate Exponential Functions Graphing Exponential Functions	p. 466: Activity Lab 1 pp. 468-469: Examples 1-2; Quick Check 1-2 pp. 470-472 ex. 3, 6, 30	pp. 470-473 Practice by example: ex 6, 8, 10 Apply your skills: ex. 28, 32, 33,	**N.6** Evaluate expressions involving factorials, absolute values, and exponential expressions **G.4** Identify and graph linear, quadratic(parabolic), absolute value, and exponential functions	**8.G.20** Distinguish between linear and nonlinear equations ax2+bx+c; a=1 (only graphically) **8.G.21** Recognize the characteristics of quadratics in tables, graphs **8.A.4** Create a graph given a description or an expression for a situation involving a linear or nonlinear relationship
DAY 36	**Part 2:** Graphing Exponential Functions			pp. 469-470: Examples 3-4; Quick Check 3-4 pp. 470-471: ex. 13, 24, 36 GPS p. 471 ex. 34	Challenge: ex. 44, 47 Test Prep: ex. 51-54 Mixed Review: ex. 56, 65 Practice by example 14, 16 Apply your skills 35, 37, 42		

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DAY 37	**Activity Lab:** Fitting Exponential Curves to Data	How do we use a graphing calculator to fit curves to data?	To Fit Curves to Data	p. 474: Examples 1, 2 Grab & Go Chap 8 Practice 8–6 Reteaching 8–6	p. 473: Mixed Review: ex. 57, 64 Activity exercise: p. 474: ex. 3 All-in-One Wkbk 8–6 Lesson Quiz 8–7		
Lesson 8–8: *Exponential Growth and Decay*							
DAY 38	**Part 1:** Exponential Growth	How do we model exponential growth?	To Model Exponential Growth	pp. 475-477 Examples 1-3; Quick Check 1-3 p. 479: ex. 1, 5, 6, 7, 11, 16	pp. 479-482 Practice by example: ex.4, 8, 9, 12, 17, 19, 31 Apply your skills: ex. 36-41 Challenge: ex.53 Test Prep: ex. 56-58 Mixed Review: ex. 60, 63	**A.9** Analyze and solve verbal problems that involve exponential growth and decay.	*Impact Mathematics*, Course 3, Grade 8, Chapter 3.2 – Exponential Relationships
DAY 39	**Part 2:** Exponential Decay	How do we model exponential decay?	To Model Exponential Decay	pp. 478-479: Examples 4, 5 Quick Check 4, 5 pp. 479-480: ex. 20, 22, 24, 26, 30	pp. 481-482 Practice by example: ex. 21, 25, 27 Apply your skills: ex. 44, 48, 50, 52 Regents Test Prep; p. 489: ex. 1-12		
DAY 40	Review of Exponential Growth and Decay			GPS p. 481: ex. 47 Grab & Go Chap 8 Practice 8–6 Reteaching 8–6	Challenge: ex. 55 All-in-One Wkbk 8–8 Lesson Quiz 8–8		

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CHAPTER 9: POLYNOMIALS AND FACTORING Lesson 9–1: *Adding and Subtracting Polynomials*							
DAY 41	**Part 1:** Describing Polynomials	How do we add and subtract polynomials?	To Identify Monomials, Polynomials To Add and Subtract Polynomials	pp. 494-495: Examples 1-2; Quick Check 1-2 p. 497: ex. 1, 2, 5, 6	pp. 497-499 Practice by example: ex. 4, 8, 9, 11, 18, 20 Apply your skills 42, 51	**A.13** Add, subtract, and multiply monomials and polynomials.	**8.A.5** Use physical models to perform operations with polynomials **8.A.7** Add and subtract polynomials (integer coefficients)
DAY 42	**Part 2:** Classifying Polynomials			p. 496: Examples 3-4 Quick Check 3-4 p. 498 ex. 21, 24, 28, 31 GPS p. 497: ex.39 Error Analysis p. 497: ex. 41	Apply your skills: ex. 23, 25, 30, 36, 43, 48, 51 Challenge: ex. 53, 54 Test Prep: ex. 56-60 Mixed Review: ex. 63, 75, 79, 83		
DAY 43	Describing and Classifying Polynomials			GPS p. 481: ex. 47 Hands on Activities 20 Grab & Go Chap 9 Practice 9–1 Reteaching 9–1	Challenge: ex. 55 All-in-One Wkbk 9–1 Lesson Quiz 9–1		

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Lesson 9–2: *Multiplying and Factoring*							
DAY 44	**Part 1:** Distributing a Monomial	How do we factor a monomial from a polynomial?	To Multiply a Polynomial by a Monomial (Distributive Property)	p. 500: Examples 1 Quick Check 1 p. 501: ex. 1, 4, 10	pp. 501-503 Practice by example: ex. 9, 12, Apply your skills: ex. 29, 32	**A.13** Add, subtract, and multiply monomials and polynomials **A.20** Factor algebraic expressions completely, including trinomials with a lead coefficient of one.	**8.A.5** Use physical models to perform operations with polynomials **8.A.8** Multiply a binomial by a monomial or binomial (integer coefficients) **8.A.10** Factor algebraic expressions using the GC
DAY 45	**Part 2:** Factoring a Monomial from a Polynomial		To Factor a monomial from a Polynomial (GCF)	p. 501: Example 2-3 Quick Check 2-3 p. 501: ex 13, 16, 19, 22	Practice by Example: 15, 18, 21, 24 Apply you skills 27, 29, 36, 39 Challenge: ex. 43		
DAY 46	More work with polynomials and factoring.			GPS p. 502: ex.33 Grab & Go Chap 9 Practice 9–2 Reteaching 9–2	Test Prep: ex. 45-49 Mixed Review: ex. 57, 59, 64, 65 All-in-One Wkbk 9–2 Lesson Quiz 9–2		

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Lesson 9–3: *Multiplying Binomials*							
DAY 47	**Part 1:** Multiplying Two Binomials	How do we use the FOIL method to multiply two binomials?	To Multiply a Binomial by a Binomial.	pp. 505-506: Examples 1-3; Quick Check 1-3 pp. 507-508: ex. 1, 5, 11, 14, 20	pp. 507-510 Practice by example: ex. 2, 7, 15, 16, 21 Apply your skills: ex. 31, 34, 42, 46 Test Prep: ex. 56-59 Mixed Review: ex. 61, 62, 69, 70, 77, 82	**A.13** Add, subtract, and multiply monomials and polynomials	**8.A.5** Use physical models to perform operations with polynomials **8.A.8** Multiply a binomial by a monomial or binomial (integer coefficients)
DAY 48	**Part 2:** Multiplying a Trinomial and a Binomial	What method can we use to multiply a trinomial by a binomial?	To Multiply Trinomials and Binomials	p. 508: Examples 4; Quick Check 4 p. 508: ex. 22, 25, 27, 29 GPS p. 508: ex 39 Hands on Activities 21 Grab & Go Chap 9 Practice 9–3 Reteaching 9–3	pp. 508-510 Practice by example: ex. 23, 24, 26, 28 Apply your skills: ex. 36, 38 Challenge: ex. 47-49 Mixed Review: ex. 63, 67, 73, 74, 80, 85 All-in–One Wkbk 9–3 Lesson Quiz 9–3	**A.13** Add, subtract, and multiply monomials and polynomials	See Days 21, 22, 23 and 8.A.5, 8.A.7, and 8.A.8.
Lesson 9–4: *Multiplying Special Cases*							
DAY 49	**Part 1:** Finding the Square of a Binomial	How can we square a binomial using the FOIL method?	To Find the Square a Binomial	pp. 512-514: Activity 1, Examples 1-3 Quick Check 1-3 p. 515: ex. 1, 5, 7, 10-12 GPS p. 515: ex. 40	pp. 515-517 Practice by example: ex. 3, 6, 8, 9, 13, 14 Apply your skills: 26, 37, 39, 43 Challenge: ex. 53 Mixed Review: ex. 64, 67, 73, 74, 80	**A.13** Add, subtract, and multiply monomials and polynomials	**8.A.5** Use physical models to perform operations with polynomials **8.A.8** Multiply a binomial by a monomial or binomial (integer coefficients)

integrated algebra

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DAY 50	**Part 2:** Difference of Squares	How do we find the product of the sum and difference of the same two terms?	To Find the Difference of Squares	pp. 514-515: Examples 4, 5 Quick Check 4, 5 p. 515: ex. 15, 16, 17, 21, 22	pp. 515-517 Practice by example: ex. 18, 19, 24 Apply your skills: ex. 41, 44, 46, 49, 50, 52	**A.13** Add, subtract, and multiply monomials and polynomials	**8.A.5** Use physical models to perform operations with polynomials **8.A.8** Multiply a binomial by a monomial or binomial (integer coefficients)
DAY 51	Practice with Binomials			Grab & Go Chap 9 Practice 9–4 Reteaching 9–4	Challenge: ex. 57 Test Prep: ex. 58-62 Mixed review: ex. 68, 71, 79 All-in One Wkbk 9–4 Lesson Quiz 9–4		
Lesson 9–5: *Factoring Trinomials of the Type* $x^2 + bx + c$							
DAY 52	**Part 1:** Factoring Trinomials	How do we factor trinomials with a lead coefficient of one?	To Factor Trinomials of the Type $ax^2 + bx + c$	pp. 519-521: Examples 1-4 Quick Check 1-4 pp. 521–522: ex. 1, 3, 8, 11, 17, 21, 27, 30, 33, 36	pp. 521-522 Practice by example: ex. 2, 4,12, 15, 18, 26, 29, 31, 38 Challenge: ex. 60, 63	**A.20** Factor algebraic expressions completely, including trinomials with a lead coefficient of one.	**8.A.11** Factor a trinomial in the form $ax^2 + bx + c$; $a = 1$ and c having no more than three sets of factors
DAY 53	Practice Factoring Trinomials			GPS p. 522: ex. 55 Grab & Go Chap 9 Practice 9–5 Reteaching 9–5	Test Prep: ex. 65-70 Mixed Review: ex. 81, 83, 84 All-in-One Wkbk 9–5 Lesson Quz 9–5		

PACING	CHAPTER/ LESSON/ UNIT	LESSON AIM FOR TOPIC	OBJECTIVES FOR AIM	SUGGESTED CLASSWORK	SUGGESTED HOMEWORK	NYSED CONTENT STRAND	TAUGHT IN MS (PRE-REQUISITES)
Lesson 9–6: *Factoring Trinomials of the type $ax^2 + bx + c$ (optional)*							
Lesson 9–7: *Factoring Special Cases*							
DAY 54	**Part 1:** Factoring Perfect Square Trinomials	How do we factor perfect square trinomials?	To Factor Perfect Square Trinomials	pp. 528-529: Activity 1 Examples 1, 2 Quick Check 1, 2 p. 531: ex. 1, 2, 6, 7, 8, 10, 13 GPS p. 532: ex. 54	pp. 531-533 Practice by example: ex 3, 4, 5, 9 Apply your skills: ex. 37, 46, 48, 50, 52 Challenge: ex. 56, 58 Checkpoint Quiz 2: ex. 1-5	**A.19** Identify and factor the difference of two perfect squares. **A.20** Factor algebraic expressions completely, including trinomials with a lead coefficient of one.	**8.A.11** Factor a trinomial in the form $ax^2 + bx + c$; $a = 1$ and c having no more than three sets of factors
DAY 55	**Part 2:** Factoring the Difference of Squares	How do we factor the difference of squares?	To Factor the Difference of Squares	p. 530: Examples 3-5: p. 531: ex. 14, 16, 19, 22, 25, 31	pp. 531-532 Practice by example: ex. 15, 17, 20, 23, 26, 29, 32, 35 Apply your skills: ex. 45, 49, 53		
DAY 56	Additional Practice			Grab & Go Chap 9 Practice 9–7 Reteaching 9–7	Challenge: ex. 60, 64 Test Prep: ex. 67-68 Lesson Quiz 9–7		
Lesson 9–8: *Factoring by Grouping (optional)*							