

Assign.	p	PROBLEMS##	TYPE OF PROBLEM
2.5BG	86	1-70	BACKGROUND :* <u>Solving & Notation</u> : Inequalities
2.6A	94	1-18	<u>Solve</u> : Linear Inequalities
2.6B	94	19-56	<u>Solve</u> : Compound Inequalities. WS#10 over Interval Notation is strongly recommended. It will be helpful for 6.6 also.
2.7A	101	1-54	<u>Solve</u> : Absolute Value Equations & Inequalities
2.7B	101	55-64	<u>Solve</u> : Absolute Value Equations & Inequalities. Obvious if you are THINKING!
Ch2R	104	25-44	***REVIEW of Chapter 2
4.3BG	184	1-66	BACKGROUND :* <u>Simplifying</u> : Addition & Subtraction of Rational Expressions
4.4BG	193	1-64	BACKGROUND :* <u>Simplifying</u> : Addition & Subtraction of Rational Expressions & Complex Fractions
4.5A	200	11-52	<u>Simplifying</u> : Polynomial Long Division
4.5B	201	53-64	<u>Synthetic Division</u> : Dividing Polynomials Without the Variables
4.6A	208	1-44	<u>Solving</u> : Fractional Equations (Some First Degree & Some Second Degree (Quadratic) results)
4.6B	208	45-60 (ALL)	<u>Word Problems</u> : For Ratios and Fractions
Ch4R	221	15-33, 35	***REVIEW of Chapter 4
5.1BG	231	1-84	BACKGROUND :* <u>Simplifying</u> : With Integer Exponents: Numbers & Algebraic Expressions
5.2BG	242	1-74	BACKGROUND :* <u>Simplifying</u> : Roots & Radicals --Also: Rationalizing the Denominator
5.3BG	248	1-60, 65-74	BACKGROUND :* <u>Simplifying & Combining Radicals</u>
5.4BG	254	1-52	BACKGROUND :* <u>Products of Radicals</u> .. Monomial & Binomial Expressions
5.4BG	255	53-76	<u>Simplifying</u> : Rationalize Binomial Denominator. Same process used with Complex Number Division.
5.5	260	1-56	<u>Solving</u> : Equations Involving Radicals
5.6A	266	1-30	<u>Arithmetic</u> : Evaluating Fractional Exponents - Link to Roots. WS#5 strongly recommended as review before this section & WS#8 as a supplement for more practice.
5.6B	266	31-58	<u>Notation</u> : Exponent & Radical Form
5.6C	266	59-80	<u>Simplifying</u> : Using Exponent Rules with Fractional Exponents
5.6D	267	81-90	<u>Simplifying</u> : Using Exponent Rules to Simplify Products of Different Roots back to Radical Form
Ch5R	275	1-55	***REVIEW of Chapter 5
6.1A	285	9-26	<u>Complex Numbers</u> : Add & Subtract
6.1B	285	27-60	<u>Complex Numbers</u> : Converting from Radical Form
6.1C	286	61-100; 101	<u>Complex Numbers</u> : Products & Quotients (Do 5.4BG as a review to help with the quotients.)
6.2A	293	1-20	<u>Solving</u> : Quadratic Equations: Factoring
6.2B	293	21-26	<u>Solving</u> : Quadratic Equations: Radicals
6.2C	293	35-70	<u>Solving</u> : Quadratic Equations: "Extracting Roots" or "Square Root both sides."
6.2D	293	71-91	<u>Word Problems</u> : Using the Pythagorean Theorem
6.3A	299	1-38	<u>Solving</u> : Quadratic Equations By Completing the Square
6.3B	299	39-60	<u>Solving</u> : Quadratic Equations - Recognizing which Method to Use
6.4	307	1-50	<u>Solving</u> : Quadratic Equations By the Quadratic Formula (Note: SOLVE ONLY, but simplify!!!!)
6.5A	317	1-20	<u>Solving</u> : Determining Correct Method: Quadratic Equations
6.5B	317	21-32	<u>Solving</u> : Determining Correct Method: Fractional Equations
6.5C	317	33-40 (ALL); 75-81 (ALL)	<u>Solving</u> : "Quadratic Form"; Using Substitution
6.5D	317	41-54	<u>Word Problems</u> : "Number" Type & Geometry (45 & 46 need Quadratic Formula)
6.5E	318	55-58 (ALL)	<u>Word Problems</u> : D=RT Not many problems, so WS#9 is highly recommended to get sufficient practice.

6.6	325	1-56	<u>Solving: Quadratic & (Other Nonlinear) Inequalities.</u> Review WS#10 BEFORE this section.
Ch6R	328	1-8, 13-36, 38-41, 43	***REVIEW of Chapter 6
7.5	383	1-48	<u>Writing Equations of Lines (WS#7 has Answers in $y=mx+b$ form)</u> Use with 8.2B to get enough practice.
8.1A	399	1-25	<u>Functions: Evaluating</u>
8.1B	400	32-39	<u>Functions: Is it a function? (from a graph.)</u>
8.1C	401	40-57	<u>Functions: Finding Domain (Not Responsible for Range on Test, unless a Bonus)</u>
8.1D	401	68-75	<u>Functions: Evaluating with Calculator</u> (NO Calculators on this test - this is for practice with notation.)
8.2A	408	1-16	<u>Graphing: Linear Functions</u>
8.2B	408	17-22 (ALL)	<u>Writing the Equation: Given Information about the Linear Function</u> (Can do in $y=mx+b$ Form.) Very few problems, so use WS#7 & 7.5BG to get sufficient practice.
8.3	419	1-26 (ALL)****	<u>Graphing: Quadratic Functions Parabolas; SEE WS#11 for instructions!!</u>
8.4A	430	1-20 (ALL)****	<u>Graphing: Quadratic Functions Parabolas; SEE WS#12 for instructions!!</u>
8.4B	434	21-42****	<u>Finding: x-intercepts; vertex & zeros of functions; SEE WS#12 for instructions!!</u>
8.4C	434	43-52	<u>Word Problems: Maximum & Minimums</u>
8.6	448	1-31	<u>Functions: How to Combine</u> (Note: You do not need to find the domain in this case)
Ch8R	460	1,2,4,6-9,12,13,16,18,24-35,38-40	***REVIEW of Chapter 8
9.1	468	1-38	<u>Synthetic Division: More Problems</u>
9.2A	472	1-20 (Calculator for 15-20)	<u>Remainder Theorem: For Polynomial Function $f(x)$, Use Division to Find $f(c)$, for a constant c (a number).</u>
9.2B	473	21-44 (ALL)	<u>Remainder & Factor Theorems: Use Division to Determine Factors of Polynomial</u>
9.3	483	1-20 (ALL)****	<u>Solving Polynomial Equations: Use Rational Root Theorem to Solve Higher Degrees. See WS#13 & 14</u>
9.4	494	11-28, 32-34	<u>Graphing: Techniques for Polynomials</u>
9.5	506	1-22**	<u>Graphing: Techniques for Rational Functions</u>
Ch9R	518	1-12, (13,14)\$ 20, 21, 23-26	***REVIEW of Chapter 9 (\$13 & 14 have factors of $(x-1)$ and $(x+1)$, respectively)
10.1	528	1-26	<u>Solving: Exponential Equations</u> (27-40)# Bonus Questions Only;
10.2	538	C: 1-38	<u>Applications of Exponential Functions (USE CALCULATORS!)</u>
10.3	549	1-6; 15-35	<u>Functions: Inverses</u> (37-50)# Bonus Questions Only
10.4A	560	1-20	<u>Notation: Correlation Between Logarithmic & Exponential Statements (Using Inverse Functions)</u>
10.4B	560	21-40	<u>Evaluating: Logarithms Without Calculators: WS#17 strongly recommended for extra practice!</u>
10.4C	561	41-50	<u>Solving: Simple Logarithmic Equations</u>
10.4D	561	69-88	<u>Notation: Using Properties of Logarithms to Rewrite Expressions</u>
10.4E	561	89-106	<u>Solving: Logarithmic Equations Using Properties of Logarithms</u>
10.5	568	C: 1-40; 54-61	<u>Using: Calculator to Find Log Values; Inverse Functions to Solve Equations</u> (41-53)# Bonus Questions Only
10.6A	578	C: 1-16	<u>Solving: Exponential Equations (USE CALCULATORS!)</u> (17-20)# Bonus Questions Only
10.6B	578	21-30	<u>Solving: More Logarithmic Equations</u> (31, 32)# Bonus Questions Only
10.6C	578	C: 33-42	<u>Evaluating: Logarithms - Change of Base (USE CALCULATORS!)</u>
10.6D	578	C: 43-49, 51-54	<u>Word Problems: Logs & Exponentials (USE CALCULATORS!)</u> (50, 55-58)# Bonus Questions Only
Ch10R	581	1-13; 15,16; 19-24; 29-30; 4649	***REVIEW of Chapter 10 NON-Calculator Problems
Ch10R	581	14, 17, 18; 31-34; 43-45	***REVIEW of Chapter 10 Calculator Problems Remember that straight calculator problems as WS#15 & 16 covered on test.
13.1A	693	1-8, 15-29	<u>Circles: Equation in "Center - Radius Form"; Identify Center & Radius</u> (No Graphing)
13.1B	693	9-14; 33-42	<u>Circles: Finding Equations of Circles, Tangent Lines & Chords</u>
13.2A	702	1-30	<u>Parabolas: Vertex, Focus, Directrix & Graph</u>

13.2B	702	31-50	<u>Parabolas: Find the Equation</u>
13.3A	712	1-26	<u>Ellipses: Find Vertices, Minor Axis & Foci & Graph</u>
13.3B	712	1-26	<u>Ellipses: Finding the Equation</u>
		##Do Odds unless	**"Background" will NOT be assigned. These are just for those that need to "BoneUp!"
		"ALL" is written	**Find Vertical & Horizontal Asymptotes for ALL!
			***ChR- NOT Assigned, SOME review problems for Tests, etc. Not necessarily a complete review.
			****These assignments will have Worksheets with modified instructions for the book problems or are strongly recommended to get sufficient practice.
		C: Calculator Exercises & Review	#Possible source of Bonus Type Questions for Tests.