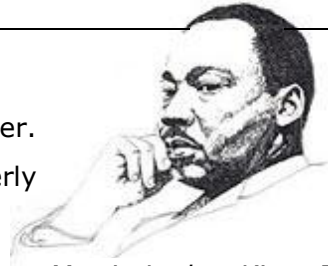# Algebra I: Quadratics (Week 1)

Anderson, Boggio, Braniff, Burnham, Cali, DeHaan, Hart, Lamb, Leitzel, Tebeau

	Objective	**Lesson**
January 21 Monday		People don't get along because they fear each other. People fear each other because they don't know each other. They don't know each other because they have not properly communicated with each other. *Martin Luther King, Jr.*
January 22 Tuesday	Analyze functions using different representations. **HSF-IF.C.7a** Use polynomial identities to solve problems. **HSA-APR.C.4**	<u>Double Distributing</u> *Notes*..*5, 6* Homework ....7, 8 <u>Factor Trees and GCF</u> *Notes*..*8, 9* Homework.. 11, 12
January 23 Wednesday	Use polynomial identities to solve problems. **HSA-APR.C.4**	Warm-up .... 134 <u>Factoring by Reverse Distributing</u> *Notes* .... *14, 15* Homework 16, 17
January 24 Thursday	Use polynomial identities to solve problems. **HSA-APR.C.4**	Warm-up .... 135 <u>Factoring by Grouping</u> *Notes*...*18-20* Homework 21, 22
January 25 Friday	Use polynomial identities to solve problems. **HSA-APR.C.4** Analyze functions using different representations. **HSF-IF.C.7a** Assess the concepts and skills learned in the first week of this unit.	<u>Factoring Trinomials #1</u> Notes.............. 23-26 Homework.......27, 28 **Friday Quiz** <u>Double Distributing</u> <u>Factor Trees and GCF</u> <u>Factoring by Reverse Distributing</u> <u>Factoring by Grouping</u>

Algebra I: Quadratics (Week 2)

Anderson, Boggio, Braniff, Burnham, Cali, DeHaan, Hart, Lamb, Leitzel, Tebeau

January 28 **Monday**	Use polynomial identities to solve problems. **HSA-APR.C.4** Analyze functions using different representations.	Factoring Trinomials #2 *Notes* ....*29-32* Homework 33, 34
January 29 **Tuesday**	**HSF-IF.C.7a** **HSF-IF.C.7c** **HSF-IF.C.8a**	Factoring Trinomials #3 *Notes* ....*35-38* Homework 39, 40
January 30 **Wednesday**	Use polynomial identities to solve problems. **HSA-APR.C.4** Interpret the structure of expressions. **HSA-SSE.A.1a** **HSA-SSE.A.2**	Factoring by Difference of Squares *Notes* .... *41* Homework .... 42, 43 *PLC*
January 31 **Thursday**	Create equations that describe numbers or relationships. **HSA-CED.A.1**	Linear, Quadratic, or Neither? *Notes* ....*45-48* Homework: Factoring Review
February 1 **Friday**	Assess the concepts and skills learned in the second week of this unit.	**No Lesson** Homework 49-52	**Friday Quiz** Factoring by Reverse Distributing Factoring by Grouping Factoring Trinomials Factoring by Difference of Squares

Algebra I: Quadratics (Week 3)

Anderson, Boggio, Braniff, Burnham, Cali, DeHaan, Hart, Lamb, Leitzel, Tebeau

February 4 **Monday**	Understand solving equations as a process of reasoning and explain the reasoning. **HSA-REI.A.2**	<u>Simplifying Radicals Day 1</u> *Notes*.....................................*53* Homework 54, 55
February 5 **Tuesday**	Understand solving equations as a process of reasoning and explain the reasoning. **HSA-REI.A.2**	<u>Simplifying Radicals Day 2</u> *Notes* .... *56, 57* *"Go Factor" – "Go Fish" Factoring Game* Homework 58, 59
February 6 **Wednesday**	Understand solving equations as a process of reasoning and explain the reasoning. **HSA-REI.A.2**	<u>Simplifying Radicals Day 3</u> *Notes*.......................................*60* Homework 61, 62
February 7 **Thursday**	Assess the concepts and skills learned in the third week of this unit.	**No Lesson** Homework: Radical Review	**Friday Quiz** <u>Linear, Quadratic, or Neither?</u> <u>Simplifying Radicals</u>
February 8 **Friday**	CHARITY WEEK Pep Assembly		

Algebra I: Quadratics (Week 4)

Anderson, Boggio, Braniff, Burnham, Cali, DeHaan, Hart, Lamb, Leitzel, Tebeau

February 11 Monday	Construct and compare linear, quadratic, and exponential models and solve problems. **HSF-LE.A.3** Perform arithmetic operations on polynomials.	<u>Multiplying Linear Functions</u> *Notes* ....*63-65* Homework...66-68
February 12 Tuesday	**HSA-APR.A.1** Create equations that describe numbers or relationships. **HSA-CED. A.1** **HSA-CED.A.4**	<u>Multiplying Linear Functions: Application</u> *Notes* .... *69, 70* Homework 71, 72
February 13 Wednesday	Understand the relationship between zeros and factors of polynomials. **HSA-APR.B.3** Write expressions in equivalent forms to solve problems. **HSA-SSE.B.3a**	<u>Factored Form Day 1</u> *Notes* .... *73, 74* Homework .... 75, 76 *PLC*
February 14 Thursday	Create equations that describe numbers or relationships. **HSA-CED. A.1**	<u>Factored Form Day 2</u> *Notes* .... *77, 78* Homework 79, 80
February 15 Friday	Interpret the structure of expressions. **HSA-SSE.A.1a** **HSA-SSE.A.2** Assess the concepts and skills learned in the fourth week of this unit.	<u>Leading Coefficients ($a \neq 1$)</u> *Notes*.................. *131* Homework 132, 133

Friday Quiz section (February 15):

Friday Quiz

<u>Multiplying Linear Functions</u>

<u>Factored Form Day 1</u>

Algebra I: Quadratics (Week 5)

Anderson, Boggio, Braniff, Burnham, Cali, DeHaan, Hart, Lamb, Leitzel, Tebeau

February 18 **Monday**	Name: _____ _____ _____ _____ _____ Number: ____ ____ ____ ____ ____	
February 19 **Tuesday**	Review concepts and skills learned in the first four weeks of this unit.	**Quadratics (Part I) Pretest**
February 20 **Wednesday**	Review concepts and skills learned in the first four weeks of this unit.	**Quadratics (Part I) Review**
February 21 **Thursday**	Review concepts and skills learned in the first four weeks of this unit.	**Quadratics (Part I) Review**
February 22 **Friday**	Assess the concepts and skills learned in the first four weeks of this unit.	**Quadratics (Part I) Test**