

Algebra

Mrs. Price

Email: cprice@auburn.wednet.edu

Telephone: (253) 931-4966

Website:

<https://sites.google.com/a/auburn.wednet.edu/mrs-price-s-math-classroom/>

Welcome to Olympic Middle School Math! Congratulations on making it to Algebra. Algebra is a high school math course covering the Common Core State Standards, and is aligned with the Algebra End of Course Assessment your student will take at the end of the school year.

This class will prepare you for all the other math classes you will be taking in high school. There will not be any surprises. All material covered in assessments will be based on material taught in class. This means it is very important for students to be present every day for instruction, and keep up with regular homework assignments.

Textbook and Resources:

We will be using the Glencoe Algebra textbook by McGraw-Hill.

Students will be using <http://www.IXL.com> and <http://www.khanacademy.org> as an online resource to practice problems.

Students will be receiving their logins in class.

Required Materials:

- School Binder
- Math Composition Notebook with Graph Paper
- Notebook Paper
- Pencils
- Pens
- Whiteboard Markers
- Headphones or Earbuds
- Scientific Calculator

Donations of any of these materials as well as tissue boxes are welcome!

Grades:

Tests = 50%

Quizzes = 30%

Homework = 20%

93-100 A 90-92.9 A- 87-89.9 B+ 83-86.9 B	80-82.9 B- 77-79.9 C+ 73-76.9 C 70-72.9 C-	67-69.9 D+ 60-66.9 D 0-59.9 F
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PLEASE CONTACT ME IF:

1. YOUR STUDENT DROPS to a C or lower on any assessment or as an overall grade for the class
2. They never show you any of their practice work
3. They cannot tell you what they are learning in class
4. They cannot tell you how they are doing in class

Check your grades on a Regular Basis!

Parents and students can sign up for Skyward Online Grade Posting. You can access this from our school webpage or visit: <http://family.auburn.wa-k12.net>

Login: (Parent Login Name)

Password: (Parent Password)

Questions? Email for help at asdfamilyaccess@auburn.wednet.edu

Daily Expectations:

- Be seated and ready to work when the bell rings (each tardy will result in a lunch detention).
- Be respectful of all people and their property.
- Be ready to learn and work during class.
- Come prepared with your binder, composition notebook, pencil, and paper.
- Remember you are dismissed by your teacher, not the bell.
- Follow school rules.

Homework:

Just like anything else in this world, to learn something you have to practice it. Someone can teach you how to ride a bike, but you won't really know how to ride one until you practice it yourself. That's what homework will be in this class: Practice. This year, you will get a grade in homework. It will follow standards based grading.

Absences:

Students are responsible for making up any missing assignments due to an absence. It is the **student's responsibility** to get the missing work. The student will have one day for every day they are absent to turn the work in. If the student is absent on the day of an assessment, he or she will make it up on the day they return.

Assessments:

Assessment grades are the main component of the overall course grade. In order to retake an assessment, students must demonstrate additional independent learning of the material and correct all mistakes on their original test. All retakes must be complete before the semester ends.

YOU WILL FIND ASSESSMENT DATES ON THE ATTACHED CALENDAR.

Please know that we try to follow this pacing guide as closely as possible but due to the nature of learning, we could be off the schedule by a week or two.

Algebra 1 Glencoe SBAC Pacing Guide

Lesson	CCSS	Title	Page
Chapter 1 - Expressions, Equations, and Functions			
1-1	A-SSE.1a(2)	Variables and Expressions	5
1-5	A-CED.1(1,2,4), 2(1,2,4), F-BF.1b(1,2)	Equations	31
1-6	A-CED.1(1,2,4), 2(1,2,4), F-IF.1(1,2,3), 4(1,2,4)	Relations	38
1-7	F-IF.1(1,2,3), 5(1,2,3,4), F-BF.1b(1,2), 2(1,2,4)	Functions	45
Chapter 1 Assessment			
Chapter 2 - Linear Equations			
2-1	A-REI.1(3,4), 3(1,2,4), F-BF.1b(1,2)	Writing Equations	75
2-2	A-CED.1(1,2,4), 2(1,2,4), 3(2,4), A-REI.1(3,4), 3(1,2,4)	Solving One-Step Equations	83
2-3	A-CED.1(1,2,4), 2(1,2,4), 3(2,4), A-REI.1(3,4), 3(1,2,4)	Solving Multi-Step Equations	91
2-4	A-CED.1(1,2,4), 2(1,2,4), 3(2,4), A-REI.1(3,4), 3(1,2,4)	Solving Equ. w/ the Variable on Each Side	97
2-8	N-Q.1(1,2,4), 2(2,4), 3(2,4), A-CED.4(2,4)	Literal Equations and Dimensional Analysis	126
Chapter 2 Assessment			
Chapter 3 - Linear Functions			
3-1	A-REI.10(1,2,3), 11(1,2,3), F-IF.4(1,2,4), 5(1,2,3,4), 7a(1,2,4), 7e(1,2,4), 9(1,2,3,4), F-LE.1a(4), 1b(4), 5(4)	Graphing Linear Equations	153
3-2	A-SSE.3a(1,2,4)	Solving Linear Equations by Graphing	161
3-3	F-IF.6(1,2,4), 7a(1,2,4), 7e(1,2,4), F-LE.1a(4), 1b(4), 2(4)	Rate of Change and Slope	170
3-5	F-IF.2(2), F-BF.1b(1,2), 2(1,2,4) F-LE.2(4)	Arithmetic Sequences as Linear Functions	187
Chapter 3 Assessment			
Chapter 4 - Linear Functions and Relations			
4-1	F-IF.7a(1,2,4), 7e(1,2,4), S-ID.7(2)	Graphing Equations in Slope-Intercept Form	214
4-2	F-IF.7a(1,2,4), 7e(1,2,4)	Writing Equations in Slope-Intercept Form	224
4-3	F-IF.7a(1,2,4), 7e(1,2,4)	Writing Equations in Point-Slope Form	231
4-5	S-ID.6a(4), 6c(4), 7(2), 9(2)(lab)	Scatter Plots and Lines of Fit	245
	F-BF.4a(3)	Inverse Functions	
4-7	F-IF.9(1,2,3,4), F-BF.3(3)	Special Functions	261
Chapter 4 Assessment			
Chapter 5 - Linear Inequalities			
5-1	A-CED.1(1,2,4), 2(1,2,4), A-REI.3(1,2,4)	Solving Inequalities by Add. and Subtract.	283
5-2	A-CED.1(1,2,4), 2(1,2,4), A-REI.3(1,2,4)	Solving Inequalities by Multi. and Division	290
5-3	A-CED.1(1,2,4), 2(1,2,4), A-REI.3(1,2,4)	Solving Multi-Step Inequalities	296
5-6	A-REI.12(1,2)	Graphing Inequalities in Two Variables	315
Chapter 5 Assessment			
Chapter 6 - Systems of Linear Equations and Inequalities			
6-1	A-REI.5(2,3,4), 6(2,3,4), 7(2,3,4)	Graphing Systems of Equations	333
6-2	A-CED.3(2,4), A-REI.5(2,3,4), 6(2,3,4), 7(2,3,4)	Substitution	342
6-3	A-CED.3(2,4), A-REI.5(2,3,4), 6(2,3,4), 7(2,3,4)	Elimination Using Addition and Subtraction	348
6-4	A-CED.3(2,4), A-REI.5(2,3,4), 6(2,3,4), 7(2,3,4)	Elimination Using Multiplication	355
6-5	A-CED.3(2,4), A-REI.5(2,3,4), 6(2,3,4), 7(2,3,4)	Applying Systems of Linear Equations	362
6-8	A-CED.3(2,4), A-REI.12(1,2)	Systems of Inequalities	382
Chapter 6 Assessment			
Chapter 7 - Polynomials			
7-1	N-RN.1(3)	Multiplying Monomials	401

7-2	N-RN.1(3)	Dividing Monomials	408
7-4	A-APR.1(3)	Polynomials	424
7-5	A-APR.1(3)	Adding and Subtracting Polynomials	433
7-6	A-APR.1(3)	Multiplying a Polynomial by a Monomial	439
7-7	A-APR.1(3)	Multiplying Polynomials	447
7-8	A-APR.1(3)	Special Products	453
Chapter 7 Assessment			
Chapter 8 - Factoring and Quadratic Equations			
8-1	A-SSE.1b(2), 2(1,2)	Monomials and Factoring	471
8-2	A-SSE.1b(2), 2(1,2)	Using the Distributive Property	476
8-3	A-SSE.1b(2), 2(1,2), A-REI.4a(1,2,4)4b(1,2,4)	Quadratic Equations: $x^2 + bx + c = 0$	485
8-4	A-SSE.1b(2), 2(1,2), A-REI.4a(1,2,4)4b(1,2,4)	Quadratic Equations: $ax^2 + bx + c = 0$	493
8-5	A-SSE.1b(2), 2(1,2)	Quadratic Equ.: Differences of Squares	499
8-6	A-SSE.1b(2), 2(1,2)	Quadratic Equations: Perfect Squares	505
Chapter 8 Assessment			
Chapter 9 - Quadratic and Exponential Functions			
9-1	A-SSE.3b(1,2,4), A-CED.1(1,2,4), 2(1,2,4), A-REI.10(1,2,3), 11(1,2,3), F-IF.1(1,2,3), 5(1,2,3,4), 6(1,2,4), 7a(1,2,4), 7e(1,2,4), 8a(1,2,4), 9(1,2,3,4), F-BF.1b(1,2)	Graphing Quadratic Functions	525
9-2	F-IF.7a(1,2,4), 7e(1,2,4)	Solving Quadratic Equations by Graphing	537
9-3	F-BF.3(3)	Transformations of Quadratic Functions	544
9-4	A-SSE.3b(1,2,4), A-REI.4a(1,2,4)4b(1,2,4)	Solving Quad Equ. by Completing the Square	552
9-5	A-REI.4a(1,2,4)4b(1,2,4)	Solving Quad. Equ. by Using Quad. Formula	558
9-6	A-CED.1(1,2,4), 2(1,2,4), A-REI.10(1,2,3), 11(1,2,3), F-IF.1(1,2,3), 5(1,2,3,4), 6(1,2,4), 7a(1,2,4), 7e(1,2,4), 8b(1,2,4), 9(1,2,3,4), F-BF.1b(1,2), 3(3), F-LE.1c(4), 5(4)	Exponential Functions	567
9-7	A-SSE.3c(1,2,4), F-IF.8b(1,2,4), F-LE.1c(4)	Growth and Decay	573
9-8	F-IF.2(2), F-BF.1b(1,2), 2(1,2,4), F-LE.2(4)	Geo. Sequences as Exponential Functions	578
9-9	F-IF.3(1,2), F-LE.3(4)	Analyzing Func. w/Successive Diff. & Ratios	584
Chapter 9 Assessment			
Chapter 10 - Radical Functions and Geometry			
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10-2	N-RN.2(1,3)	Simplifying Radical Expressions	612
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10-4	N-RN.2(1,3)	Radical Equations	624
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Chapter 0 and 2-Way Tables Assessment			

Course Specific Content - Does not count towards graduation requirement but will be tested.

Please return the following page to Mrs. Price

Parent Portion:

Student Name	First	Last
Parent/Guardian's Name	Primary	Secondary
Relationship to Student		
Email		
Cell Phone Number		
Home Phone Number		
Work Phone Number		
School Volunteer	Yes No	Yes No
Internet Access at home	Yes No	Yes No
Languages Spoken at home		

Parent/Guardian Signature: _____ Date: _____

Student Portion:

I have read and understand the Classroom information and expectations for Mrs. Price's class.

- I understand that I am responsible to come to class prepared and on time each day.
- I understand that it is my responsibility to obtain and complete makeup work.
- I understand that no class time will be given for makeup work.
- I understand that Mrs. Price will not tolerate disruptions to classmates and the learning process.
- I am responsible for my actions during class time.

Student Signature: _____ Date: _____

In light of these rules and expectations, I would like my students and parents to know that I want all students to be successful in this class. If we work together, each student will learn at their highest potential. I will be available to set up times to meet with your student before or after school for extra help. Utilizing this time allows your child to receive one-on-one instruction. It is also the time your child should correct assignments to improve their comprehension. Please do not hesitate to contact me at anytime if you have questions or concerns.