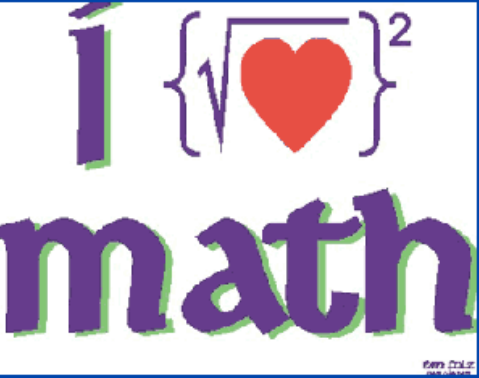


# Algebra 1: Unit 1.1 Fundamentals of Algebra

1. Title each page with the section number and the assignment description. Include the date as part of your heading.

2. For each problem, write the original information. Show all process steps. Circle or box in the final answer. Use pencil.

August/September 2015

| Sun   | Mon   | Tue  | Wed   | Thur  | Fri  | Sat |
|---|---|--|---|---|--|-----|
|   |   |  | 19  | 20  | 21   | 22  |
|  |   |  | <p><b>Welcome!</b></p> <p>First Day of School Activities</p>  | <p>1.1</p> <p><b>Welcome Back</b></p> <p><b>Evaluate Expressions</b></p> <p>✓ book walk</p> <p>✓ Hwk: p.5:<br/>1, 6, 10, 12,<br/>16, 20, 22, 24,<br/>32 – 46 even,<br/>50, 52, 53,<br/>56 – 64 even</p> | <p>✓ Beginning of the year activity.</p> <p>✓ Hwk: none</p>  |     |
| 23  | 24  | 25   | 26  | 27  | 28   | 29  |
|   | 1.2   | 1.3 & 1.4  | 2.1   | 2.2 & 2.3   | 2.2 & 2.3  |     |
|   | <p><b>Apply Order of Operations</b></p> <p>✓ Hwk: p.10:<br/>1, 2, 6, 10, 16,<br/>20 – 36 even, 38,<br/>42 – 52 even</p> | <p><b>Write Expressions</b></p> <p><b>Write Equations and Inequalities</b></p> <p>✓ Hwk: p.18:<br/>1, 2, 4 – 12 even,<br/>16, 19-21, 23,<br/>25, 27, 33, 40,<br/>44, 45, 46 <b>AND</b><br/>p.24 #1, 2, 8-36<br/>even, 40</p> | <p><b>Use Integers and Rational Numbers</b></p> <p>✓ Hwk: p.67:<br/>#1, 3, 11, 12, 13,<br/>18-28 even, 35,<br/>40, 42-45 all, 51,<br/>53, 54, 57, 58,<br/>61, 65, 68, 72,<br/>74</p> <p>✓ <b>Quiz 1.1-1.4</b></p> | <p><b>Grizzly Team Field Trip to Arctic Valley</b></p> <p>✓ Hwk: None</p>   | <p><b>Add and Subtract Real Numbers</b></p> <p>✓ Hwk: p.77:<br/>#1, 2, 12-20<br/>even, 24 – 29,<br/>34, 36, 40, 42,<br/>48, 54, 58, 62,<br/><b>AND</b><br/>p.82<br/>#4, 8, 12, 15, 16,<br/>20, 22, 24, 28,<br/>32, 33, 42, 44,<br/>53-56</p> |     |
| 30  | 31  | 1  | 2   | 3   | 4  | 5   |
|   | Review 2.1-2.3<br><b>*AIMS WEB (middle school only)</b>   | 2.4  | 2.5   | 2.6   | Review 2.4-2.6   |     |
|   | <p>✓ <b>Begin 2.4 notes</b></p> <p>✓ Hwk: p.121<br/>#2, 4, 5, 7, 9, 10,<br/>13-17, 19, 21, 23,<br/>24, 27, 28</p>       | <p><b>Multiply Real Numbers</b></p> <p>✓ <b>2.1-2.3 Quiz</b></p> <p>✓ Hwk: p.91:<br/>1, 2, 4, 10, 14,<br/>20 – 30 even,<br/>38 – 40 even,<br/>43 – 48 all,<br/>50, 51, 53, 54,<br/>58 – 64 even</p>                          | <p><b>Apply the Distributive Property</b></p> <p>✓ Hwk: p.99:<br/>#1-3, 9, 11-15,<br/>17, 19, 20, 21,<br/>23, 31-34, 41,<br/>42, 47, 48,<br/>51-53, 57-59,<br/>61, 63, 65, 66</p>                                 | <p><b>Divide Real Numbers</b></p> <p>✓ Hwk: p.106:<br/>1, 2, 7 – 10 all,<br/>14 – 22 even,<br/>23, 28 – 32 even,<br/>39 – 45 all, 48,<br/>53, 54, 57,<br/>60 – 64 even</p>                              | <p>✓ <b>Begin 2.7 notes</b></p> <p>✓ Hwk:<br/>p.101 #1-12<br/><b>AND</b> p.116 #1-5</p>  |     |

|   |                                   |   |  |   |  |    |
|---|-----------------------------------|---|--|---|--|----|
| 6 | 7                                 | 8   | 9  | 10  | 11   | 12 |
|   | <b>Labor Day</b><br><br>No school | 2.7<br><br><b>Find Square Roots and Compare Real Numbers</b><br><br>✓ <b>Quiz 2.4-2.6</b><br><br>✓ Hwk: p.113: #1, 2, 4, 6-9, 14-18, 23, 27, 28, 30, 31, 38-40, 47, 50, 52, 60-67 | 9.1A<br><br><b>Add &amp; Subtract Polynomials</b><br>Ex. 3 and 4<br><br>✓ Hwk: p.557 #17, 18, 20-22, 27, 29-33 odd, 37, 39, 44 | 11.2A<br><br><b>Simplify Radical Expressions</b><br>Ex. 1a, 2a, 3a, 5a<br><br>✓ Hwk: p.723: #3-6, 11, 12, 19, 20, 24, 25, 34-39 | Unit 1.1 Review<br><br><b>Chapter Review</b><br><br>✓ Hwk: 1.1-1.4 p.53 #1-32 <b>AND</b> 9.1A p.616 #10-12 <b>AND</b> 11.2A p.755 #8, 10 |    |

|    |   |   |   |
|----|---|---|---|
| 13 | 14  | 15  | <b>Understandings:</b> <ul style="list-style-type: none"> <li>I can write and evaluate: expressions, equations, and inequalities.</li> <li>I can apply the order of operations to solve real-world problems.</li> <li>I can translate verbal phrases into expressions, equations, and inequalities.</li> <li>I can classify real numbers, compare, and order integers and rational numbers.</li> <li>I can add, subtract, multiply, and divide real numbers.</li> <li>I can apply the distributive property.</li> <li>I can find square roots of real numbers.</li> </ul> |
|    | Unit 1.1 Review<br><br><b>Chapter Review</b><br><br>✓ Hwk: 2.1-2.7 p.121: #15, 22, 25, 33, 40, 45, 49, 50, 52, 54 | <b>Unit 1.1 Test</b><br><br>✓ Hwk: Skills wkst. |   |

### Vocabulary:

- algebraic expression
- power
- base
- exponent
- order of operations
- rate/ unit rate
- whole numbers
- integers
- rational numbers
- opposites
- absolute value
- conditional statement
- additive identity
- additive inverse
- Properties of Addition (Commutative, Associative, Identity, Inverse)
- Properties of Multiplication (Commutative, Associative, Identity, Property of Zero, Property of -1)
- equivalent expressions
- distributive property
- term
- coefficient
- constant term
- like terms
- multiplicative inverse
- reciprocal
- square root
- radicand
- radical expression
- perfect square
- irrational number
- real numbers
- polynomial
- simplest form of a radical expression