

# ALGEBRA 1 - FALL 2017

## August 2017

Monday	Tuesday/Wednesday	Thursday/Friday
<p><b>21 STAFF DEVELOPMENT DAY</b></p> <p><b>22 TEACHER WORK DAY</b></p>	<p><b>23 SCHOOL BEGINS – WEDNESDAY is a MONDAY SCHEDULE</b></p> <p>Teach 1.1-1.3 Solving Equations (Skill 1)</p> <p>HW#1 Worksheet on Solving Equations and some prerequisite skills review</p>	<p><b>24/25</b></p> <p>Teach 1.4 Solving Absolute Value Equations Part I and 1.5 Rewriting Equations and Formulas (Skills 2,3)</p> <p>Pass out textbooks</p> <p>HW#2 p.32 #5,7,11-23 odd, 49, 51 p.40 #27-31all</p>
<p><b>28</b> Teach 2.1-2.4 Writing and Solving Inequalities (Skill 4)</p> <p>HW#3 p.77 #1,3-6 all, 9-29 every other odd, 31,33</p>	<p><b>29/30</b> Teach 2.5 Compound Inequalities (Skill 5) <b>Concept Quiz R1(A) – (Skills 1-8)</b> last 20 minutes</p> <p>HW#4 p.85 #3-21 odd, 31</p>	<p><b>31/1</b> Teach 2.6 Absolute Value Inequalities (Skill 6)</p> <p>HW#5 p.91 #3-17 odd, 21and Review Sheet for Chapter 1-2 due on Tuesday</p>

# September 2017

Monday	Tuesday/Wednesday	Thursday/Friday
<p><b>4 LABOR DAY</b></p>	<p><b>5/6</b> Review for Chapter 1-2 Test  <b>Concept Quiz R1(B) – (Skills 1-8)</b> last 20 minutes</p> <p>(Skills review first half of class and then partner quiz on modeling problems for second half of class)</p> <p>HW: Finish Review Sheet and Study for Chapters 1-2 Test</p>	<p><b>7/8 Chapter 1-2 Test (Skills 1-6)</b></p> <p>HW#6; 3.1 Functions worksheet</p>
<p><b>11</b> Teach 3.1 Functions and 3.2 Linear Functions (Skill 7, 8)</p> <p>HW#7 p.117 #7,11,15,19,23,27-37odd            HW#8 p. 125, 11-21 odd</p>	<p><b>12/13</b></p> <p>STATE EXAM</p>	<p><b>14/15</b> Teach 3.3 Function Notation and 3.4 Graphing Linear Equations in Standard Form (Skill 9)</p> <p>Discuss Chapter 1-2 Test (Skills 1-6)</p> <p>HW#9 p.133 #3-6 all, 7-25 odd</p>
<p><b>18/19 BLOCK DAY</b>            Teach 3.5 Graphing Linear Equations in Slope-Intercept Form (Skill 10)  <b>Concept Quiz R1(D) – (Skills 1-8)</b> last 20 minutes</p> <p>HW#10 p.134 #29-32 all, 33-37 odd            p.141 #7-31 every other odd, 35-41 odd</p>	<p><b>20/22 BLOCK DAY</b>            Teach 3.7 Graphing Absolute Value Functions (including transformations) (Skill 12)  <b>Team Test (Skills 7-10)</b></p> <p>HW#11 p.160 #5-25 odd, 33, 35, 37, 45</p>	<p><b>21 STAFF DEVELOPMENT 9/21</b>  <b>ROSH HASHANA (Eve. 9/20-9/22)</b></p>
<p><b>25 DOK ACTIVITY</b>            Hand back Team Test</p> <p>HW#12 Chapter 3 Review Sheet – due on day of Chapter 3 test.</p>	<p><b>26/27</b> Review for Chapter 3 Test  <b>Concept Quiz R1(E) – (Skills #1-8)</b> last 20 minutes</p> <p>Finish Review Sheet, Correct Team Test and Study for Chapter 3 Test</p>	<p><b>28/29 END OF R1 – Friday 9/25 ?</b>  <b>Chapter 3 Test (Skills 7-13)</b></p> <p>HW#13 Mixed Review Sheet</p>

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## October 2017

Monday	Tuesday/Wednesday	Thursday/Friday
<p><b>2</b> Teach 4.1 Slope-Intercept Form (Skill 10)</p> <p>HW#14 p.179 #5-25 odd, 29,33</p>	<p><b>3/4 MINIMUM DAY (WED)</b> Teach 4.2 Point-Slope Form (Skill 11) <b>Concept Quiz R2(A) – (Skills 9-16)</b> last 20 minutes</p> <p>HW#15 p.185 #7-23 odd, 27,31,33</p>	<p><b>5/6</b> Teach 4.3 Parallel and Perpendicular Lines (Skill 13)</p> <p>HW #16 p.191 #3-21 odd, 25,27</p>
<p><b>9 STAFF DEVELOPMENT DAY</b></p>	<p><b>10/11</b> Teach 4.4 Scatter Plots and Lines of Fit <b>Concept Quiz R2B – (Skills 9-16)</b> last 20 minutes</p> <p>HW#17 p.199 #3-17 odd, 21,23</p>	<p><b>12/13</b> Teach 4.5 Analyzing Lines of Fit</p> <p>HW#18 p.206 #5,9,13 (Use Desmos – do first in class),15, 21,23,25</p>
<p><b>16</b> Teach 4.6 Arithmetic Sequences (Skill 14) <b>DOK ACTIVITY</b> Exploration on p.209</p> <p>HW#19 p.214 #3-15 odd,19-31 odd,41 and #45 E.C.</p>	<p><b>17/18</b> Teach 4.7 Piecewise Functions (Skill 15) <b>Concept Quiz R2(C) – (Skills 9-16)</b> last 20 minutes</p> <p><b>Writing Piecewise Functions</b> HW#20 p.222#3,9,11,23,25,27,29</p>	<p><b>19/20</b> Practice Piecewise Functions (Skill 15) Class Worksheet Practice 4.7A from Resource Guide</p> <p>Graphing Piecewise Functions HW#21 p. 222 #15,17,19,20 Chapter 4 Review (pg. 1 and 2)</p>
<p><b>23</b> Team Test (Skills 9-15)</p> <p><b>HW#22; 4.7 Extra Practice #10-15</b> <b>Chapter 4 Review (pg. 3 and 4)</b></p>	<p><b>24/25</b> Review for Chapter 4 Test Return Teams Test <b>Concept Quiz R2(D) – (Skills 9-16)</b> last 20 minutes</p> <p>HW#23 CH4 Online Review (on paper and online)</p>	<p><b>26/27 Chapter 4 Test (Skills 9-16)</b></p> <p>HW: Mixed Review Sheet</p>

## November 2017

Monday	Tuesday/Wednesday	Thursday/Friday
<p><b>30</b> Teach: 5.1 Solving Systems of Linear Equations by Graphing and 5.2 Solving Systems of Linear Equations by Substitution (Skills 16, 17)</p> <p>HW#24 p. 239 #7,11,15,17,21,27 p. 245 #5,7,11,13,15,17,19,25</p>	<p><b>31/1</b> Teach: 5.3 Solving Systems of Linear Equations by Elimination (Skill 18) <b>Concept Quiz R2(E) - (Skills 9-16)</b> last 20 minutes</p> <p>HW#25 p.251 #7,9,13,15,17,19,21,27,29,33 and #35 E.C.</p>	<p><b>2/3</b> Practice Day Word Problems (Skill 20)</p> <p>HW#26?</p>
<p><b>6/7 BLOCK DAY</b> Teach: 5.4 Solving Special Systems of Linear Equations and 5.5 Solving Equations by Graphing Part I (Skill 19) <b>Concept Quiz R2(F) - (Skills 9-16)</b> last 20 minutes</p> <p>HW #27 p.257 #3-8,9,13,15,17,19,21 p.265 #3,5,7,11,15,19,33</p>	<p><b>8/9 BLOCK DAY</b> Teach: 5.6 Graphing Linear Inequalities in Two Variables and 5.7 Systems of Linear Equations (Skill 21, 22) <b>Team Test (Skills 17-22)</b></p> <p><b>DOK ACTIVITY</b> Systems Applied Problem like Coffee problem</p> <p>HW#28 p.271 #9,15,17,19,21,23,27,31 p.278 #5,7,11,13,17,21,23,25,27,29,35,47 E.C.</p>	<p><b>10 VETERANS' DAY 11/10</b> <b>FRI END OF R2 – Friday 11/10 ?</b></p>
<p><b>13</b> Practice Day Word Problems (Skill 20)</p> <p>HW#29 <b>Chapter 5 Review Sheet</b></p>	<p><b>14/15</b> Review for Chapter 5 Test <b>Concept Quiz R3(A) – (Skills 17-24)</b> last 20 minutes</p> <p><b>Finish Review Sheet, Correct Team Test and Study for Chapter 5 Test</b></p>	<p><b>16/17 Chapter 5 Test (Skills 17-24)</b></p> <p>HW#30 Mixed Review Sheet</p>
<p><b>20 BLOCK DAY – TUE. SCHEDULE 1-4</b> Teach 6.1 Properties of Exponents Part I (Skill 23) <b>Concept Quiz R3(B) - (Skills 17-24)</b> last 20 minutes</p> <p>HW#31 p. 296 #5,7,13,15,23,27,29,35</p>	<p><b>21 BLOCK DAY – WED. SCHEDULE 5-7</b> <b>THANKSGIVING BREAK STARTS</b> <b>WEDNESDAY 11/22</b></p>	<p><b>23/24 THANKSGIVING BREAK</b></p>

<p><b>Big Review Sheet with Laws of exponents</b></p>		
<p><b>27</b> Teach 6.1 Properties of Exponents Part II (Skill 23)  <b>DOK ACTIVITY</b> Class Worksheet with hard ones (maybe partner game where they have different problems but should reduce to same answer) that they need to check answers</p> <p><b>HW#32</b> Sheet we make that has harder problems like P3/P4 <b>Margie</b></p>	<p><b>28/29</b> Teach 6.2 Radical and Rational Exponents, Part I  <b>Concept Quiz R3(C) - (Skills 17-24)</b> last 20 minutes</p> <p>Show Factor Tree Method</p> <p>HW#33 p.282 #1-21 odd p.285#1-15 odd</p>	<p><b>30/1</b> Teach 6.2 Radical and Rational Exponents, Part II (Skill 24)</p> <p>HW#34 p.303#19-35 odd,39 #37 E.C.</p>

## December 2017

	Tuesday/Wednesday	Thursday/Friday
<p><b>4</b> FER #1 due Monday, Dec. 11</p> <p>HW#35</p>	<p><b>5/6</b> <b>Concept Quiz R3(D) - Skills 17-24</b> (last 20 minutes)</p> <p>HW#36</p>	<p><b>7/8</b></p> <p>HW#37 FER #1</p>
<p><b>11</b> FER #2 due Monday, Dec. 18</p> <p>HW#38 p.303#19-35 odd,39 #37 E.C.</p>	<p><b>12/13</b> Review for Final Exam  <b>Concept Quiz R3(E) - Skills 17-24</b> (last 20 minutes)</p> <p>HW#39 Practice Final Due day of the Final Exam</p>	<p><b>14/15</b> Review for Final Exam</p>

**Notes:**

1. Grade Breakdown:
  - a. Final Exam 20%
  - b. Test 45%
  - c. Team Tests 5%
  - d. Skills Quizzes 15%
  - e. Homework and Classwork 15%
2. Add weights to skills scores as soon as they have been taught and students have had two opportunities to take them.
3. Give team test one week before chapter test and hand back graded by next class. Teams are groups of four. Only four applied problems. Grade one problem per student and entire group gets one (average grade). This is only worth 5% of the semester grade and is a good review for test.
4. Chapter tests will have some skill type problems and applied problems. Keep to one page (2 sides) in length. No longer able to pass a skill by doing it correctly on the test because test will not be broken into labeled skills.
5. Aaron has organized a number of CPM discovery activities and has shared his google drive that has the Blackline Masters for the sheets along with keys. He also has an ongoing spreadsheet that connects the Big Ideas Section numbers with CPM section numbers.
6. There are a number of DOK (Depth of Knowledge) activities that are in the Algebra 1 Fall 2017 collaborative folder.
7. There is a bank of test questions from the Big Ideas test generator. These are organized by chapter and in Word format. This is a good source for making tests, team tests or practice sheets.
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