

## Algebra 1, Learning Log

Name: \_\_\_\_\_

| <b>Ch. 3</b> | <u>Big Idea:</u> Solving Equations | <u>Enduring Understanding:</u> Solving equations is like keeping a scale balanced; whatever I do to one side of the equation, I need to do the same to the other side as well. | <u>Enduring Question:</u> Is there some way to solve these equations without guessing?   |  |   |
|--------------|------------------------------------|--|--|--|---|
| Day          | Title                              | Concept  | Learning Targets<br><small>(What should I know, be able to do, what attitude should I have?)</small>   | How am I doing?<br><input checked="" type="checkbox"/> Got it right<br><input type="checkbox"/> Not right yet                | Assessments/Learning Activities   |
| 1            | 3.1                                | Solving equations using multiplication and division  | <ul style="list-style-type: none"> <li>a. I know that multiplication and division are inverse operations.</li> <li>b. I can solve equations where only multiplication and division are involved.</li> <li>c. I can solve equations and formulas for a specific variable.</li> </ul>  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 3.1, p. 146: 7-20, 34-37<br>2.5, p. 112: 10, 12, 13b<br>2.4, p. 105: 24, 25, 29<br>2.3, p. 97: 21-25<br><br><b>Percent Score:</b>   |
| 2            | 3.2                                | Solving Proportions and Percent Equations  | <ul style="list-style-type: none"> <li>a. I see that proportions are used very often to solve problems.</li> <li>b. I know what proportions are.</li> <li>c. I can set up proportions for real situations.</li> <li>d. I can determine if proportions are true.</li> <li>e. I can solve proportions where one quantity is unknown.</li> <li>f. I know that percent situations can be described with proportions.</li> <li>g. I can solve percent equations using proportions.</li> </ul> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 3.2, p. 152: 5-10, 14-17, 20-24, 32<br>3.1, p. 146: 22-32 evens, 39<br>2.5, p. 111: 4, 5, 15<br>p. 181: 1<br><br><b>Percent Score:</b>                                    |
| Quiz 3.1-3.2 |                                    | Score: ____<br>Poss. ____  | What do I need help with?  |  |   |
| 3            | 3.3                                | Solving Equations Using Addition and Subtraction   | <ul style="list-style-type: none"> <li>a. I recognize and use the commutative, associative, identity, and inverse properties of addition to rewrite algebraic expressions.</li> <li>b. I understand that whatever I do to one side of an equation must also be done to the other side.</li> <li>c. I can solve equations using addition and subtraction.</li> </ul>  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Lab, Algeblocks<br>3.3, p. 158: 4-20, 28, 29, 34<br>3.2, p. 152: 11, 12, 13, 18, 25, 26, 27<br>3.1, p. 146: 29, 31, 40<br>2.5, p. 113: 16-18<br><br><b>Percent Score:</b> |

|              |        |   |   |  |   |
|--------------|--------|---|---|--|---|
| 4            | 3.4    | Solving Equations That Involve More Than One Step | <p>a. I see that solving complicated equations is a step-by-step process.</p> <p>b. I recognize and use the distributive property to rewrite algebraic expressions.</p> <p>c. I can solve multistep equations</p> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <p>3.4, p. 165: 3-7, 9-11, 15-7, 26, 27</p> <p>3.3, p. 158: 3, 21-23, 32-33</p> <p>3.2, p. 152: 28, 29, 34</p> <p>3.1, p. 147: 41-44</p> <p>p. 185: 12</p> <p><b>Percent Score:</b></p>       |
| Quiz 3.3-3.4 |        | Score: ____<br>Poss. ____                         | What do I need help with?   |  |   |
| 5            | 3.5    | Solving Equations with Variables on Both Sides    | <p>a. I see that solving equations with variables on both sides is just like solving multistep equations; we just add one more step.</p> <p>b. I can solve equations with variables on both sides.</p>            | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <p>3.5, p. 170: 3, 5-8, 11-18, 23, 28</p> <p>3.4, p. 165: 1, 2, 8, 12, 18, 25</p> <p>3.3, p. 158: 3, 30, 31</p> <p>3.2, p. 153: 35, 37, 38</p> <p>p. 188: 19</p> <p><b>Percent Score:</b></p> |
| 6            | 3.6    | Solving Absolute Value Equations                  | <p>a. I know that absolute value equations have two possible answers.</p> <p>b. Students should solve absolute value linear equations.</p>  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <p>3.6, p. 175: 1, 4, 5-7, 9-15, 21</p> <p>3.5, p. 170: 4, 9, 10, 19-22</p> <p>3.4, p. 165: 7, 15, 20</p> <p>3.3, p. 160: 36, 37, 40</p> <p>p. 190: 23</p> <p><b>Percent Score:</b></p>       |
| Quiz 3.5-3.6 |        | Score: ____<br>Poss. ____                         | What do I need help with?   |  |   |
| 9            | Review |   |   |  | <p>p. 192: 1-18</p> <p>p. 195: 1, 3, 4</p> <p><b>Percent Score:</b></p>   |
| 10           | Test 3 | Score: ____                                       | What do I need help with?   |  |   |