

Algebra 1 End of Course Assessment Remediation Syllabus

Previous ECA Results: Score: _____ Passing: 564 Name _____

Subcategories: / / /
 Linear Equations Graphs and Lines Systems

 / /
 Polynomials Quadratics

This course is designed to help those of you who have failed the Algebra 1 End of Course Assessment. Our goal will be to master the skills that are tested on the Indiana Algebra 1 ECA over the next 14 weeks. This course will require you to spend about one hour three times a week studying.

For each regular lesson, you will need to watch an instructional video, followed by the completion of one homework assignment. You will also be required to pass one quiz, with a score of 70% or better. **Multiple homework assignments and multiple quizzes are available if you are not able to pass the quiz on the first attempt.**

Good Luck!

Website: <http://algebra1ecaprep.weebly.com>

Week 1

Day 1 Lesson: *Simplifying Expressions* Standard: A1.1.3.1

Homework: 1.1 _____ 1.2 _____ 1.3 _____

Quiz: 1.1 _____ 1.2 _____ 1.3 _____

Day 2 Lesson: *Solving Linear Equations* Standard: A1.2.1, A1.1.3.2

Homework: 2.1 _____ 2.2 _____ 2.3 _____

Quiz: 2.1 _____ 2.2 _____ 2.3 _____

Day 3 Lesson: *Solving Complex Linear Equations* Standard: A1.7.2, A1.2.2

Homework: 3.1 _____ 3.2 _____ 3.3 _____

Quiz: 3.1 _____ 3.2 _____ 3.3 _____

Week 2

Day 4

Lesson: *Solving Linear Inequalities*

Standard: A1.2.4, A1.2.5

Homework: 4.1 _____ 4.2 _____ 4.3 _____

Quiz: 4.1 _____ 4.2 _____ 4.3 _____

Day 5

Lesson: *Solving Word Problems Involving Linear Inequality*

Standard: A1.2.6.2

Homework: 5.1 _____ 5.2 _____ 5.3 _____

Quiz: 5.1 _____ 5.2 _____ 5.3 _____

Day 6

Lesson: *Review Day #1*

Homework: 6.1 _____

Quiz: 6.1 _____

Week 3

Day 7

Lesson: *Functions, and Interpreting Graphs*

Standard: A1.3.2, A1.3.3, A1.3.4

Homework: 7.1 _____ 7.2 _____ 7.3 _____

Quiz: 7.1 _____ 7.2 _____ 7.3 _____

Day 8

Lesson: *Constant Rates of Change*

Standard: A1.3.1, A1.4.5.1, A1.4.5.2

Homework: 8.1 _____ 8.2 _____ 8.3 _____

Quiz: 8.1 _____ 8.2 _____ 8.3 _____

Day 9

Lesson: *Graphing Linear Equations*

Standard: A1.4.1

Homework: 9.1 _____ 9.2 _____ 9.3 _____

Quiz: 9.1 _____ 9.2 _____ 9.3 _____

Week 4

Day 10 Lesson: *Slope, x – intercepts, and y – intercepts* Standard: A1.4.2, A1.4.3

Homework: 10.1 _____ 10.2 _____ 10.3 _____

Quiz: 10.1 _____ 10.2 _____ 10.3 _____

Day 11 Lesson: *Writing the Equation of a Linear Equation* Standard: A1.4.4

Homework: 11.1 _____ 11.2 _____ 11.3 _____

Quiz: 11.1 _____ 11.2 _____ 11.3 _____

Day 12 Lesson: *Review Day #2*

Homework: 12.1 _____

Quiz: 12.1 _____

Week 5

Day 13 Lesson: *Graphing Linear Inequalities* Standard: A1.4.6

Homework: 13.1 _____ 13.2 _____ 13.3 _____

Quiz: 13.1 _____ 13.2 _____ 13.3 _____

Day 14 Lesson: *Solving Word Problems Involving Linear Equations* Standard: A1.2.6.1

Homework: 14.1 _____ 14.2 _____ 14.3 _____

Quiz: 14.1 _____ 14.2 _____ 14.3 _____

Day 15 Lesson: *Solving Systems of Equations by Graphing* Standard: A1.5.1

Homework: 15.1 _____ 15.2 _____ 15.3 _____

Quiz: 15.1 _____ 15.2 _____ 15.3 _____

Week 6

Day 16 Lesson: *Solving Systems of Equations by Elimination* Standard: A1.5.4, A1.5.5

Homework: 16.1 _____ 16.2 _____ 16.3 _____

Quiz: 16.1 _____ 16.2 _____ 16.3 _____

Day 17 Lesson: *Solving Systems of Equations by Substitution* Standard: A1.5.3

Homework: 17.1 _____ 17.2 _____ 17.3 _____

Quiz: 17.1 _____ 17.2 _____ 17.3 _____

Day 18 Lesson: *Review Day #3*

Homework: 18.1 _____

Quiz: 18.1 _____

Week 7

Day 19 Lesson: *Solving Word Problems Involving a System of Linear Equations*
Standard: A1.5.6

Homework: 19.1 _____ 19.2 _____ 19.3 _____

Quiz: 19.1 _____ 19.2 _____ 19.3 _____

Day 20 Lesson: *Solving Word Problems Involving a System of Linear Equations*
Standard: A1.5.6

Homework: 20.1 _____ 20.2 _____ 20.3 _____

Quiz: 20.1 _____ 20.2 _____ 20.3 _____

Day 21 Lesson: *Graphing a System of Linear Inequalities* Standard: A1.5.2

Homework: 21.1 _____ 21.2 _____ 21.3 _____

Quiz: 21.1 _____ 21.2 _____ 21.3 _____

Week 8

Day 22 Lesson: *Adding and Subtracting Polynomials* Standard: A1.6.1

Homework: 22.1 _____ 22.2 _____ 22.3 _____

Quiz: 22.1 _____ 22.2 _____ 22.3 _____

Day 23 Lesson: *Multiplying Binomials* Standard: A1.6.4

Homework: 23.1 _____ 23.2 _____ 23.3 _____

Quiz: 23.1 _____ 23.2 _____ 23.3 _____

Day 24 Lesson: *Review Day #4*

Homework: 24.1 _____

Quiz: 24.1 _____

Week 9

Day 25 Lesson: *Laws of Exponents* Standard: A1.6.2.1, A1.6.2.2, A1.6.3.1

Homework: 25.1 _____ 25.2 _____ 25.3 _____

Quiz: 25.1 _____ 25.2 _____ 25.3 _____

Day 26 Lesson: *Dividing Polynomials by Monomials* Standard: A1.6.5, A1.6.6

Homework: 26.1 _____ 26.2 _____ 26.3 _____

Quiz: 26.1 _____ 26.2 _____ 26.3 _____

Day 27 Lesson: *Factoring Trinomials of the form, $x^2 + Bx + C = 0$* Standard: A1.6.7

Homework: 27.1 _____ 27.2 _____ 27.3 _____

Quiz: 27.1 _____ 27.2 _____ 27.3 _____

Week 10

Day 28 Lesson: *Factoring Trinomials of the form, $Ax^2 + Bx + C = 0$* Standard: A1.6.7

Homework: 28.1 _____ 28.2 _____ 28.3 _____

Quiz: 28.1 _____ 28.2 _____ 28.3 _____

Day 29 Lesson: *Simplifying Radicals* Standard: A1.1.2, A1.6.3.2

Homework: 29.1 _____ 29.2 _____ 29.3 _____

Quiz: 29.1 _____ 29.2 _____ 29.3 _____

Day 30 Lesson: *Review Day #5*

Homework: 30.1 _____

Quiz: 30.1 _____

Week 11

Day 31 Lesson: *Solving Quadratic Equations by Factoring* Standard: A1.8.2

Homework: 31.1 _____ 31.2 _____ 31.3 _____

Quiz: 31.1 _____ 31.2 _____ 31.3 _____

Day 32 Lesson: *Solving Quadratic Equations by Completing the Square*
Standard: A1.8.3, A1.8.4

Homework: 32.1 _____ 32.2 _____ 32.3 _____

Quiz: 32.1 _____ 32.2 _____ 32.3 _____

Day 33 Lesson: *Solving Quadratic Equations by the Quadratic Formula* Standard: A1.8.6

Homework: 33.1 _____ 33.2 _____ 33.3 _____

Quiz: 33.1 _____ 33.2 _____ 33.3 _____

Week 12

Day 34 Lesson: *Geometric Application of Quadratic Equations* Standard: A1.8.7

Homework: 34.1 _____ 34.2 _____ 34.3 _____

Quiz: 34.1 _____ 34.2 _____ 34.3 _____

Day 35 Lesson: *Roots, Zeros, and x – intercepts of a Quadratic Equation*
Standard: A1.6.8

Homework: 35.1 _____ 35.2 _____ 35.3 _____

Quiz: 35.1 _____ 35.2 _____ 35.3 _____

Day 36 Lesson: *Review Day #6*

Homework: 36.1 _____

Quiz: 36.1 _____

Week 13

Day 37 Lesson: *Graphing Quadratic Equations* Standard: A1.8.1

Homework: 37.1 _____ 37.2 _____ 37.3 _____

Quiz: 37.1 _____ 37.2 _____ 37.3 _____

Day 38 Lesson: *Application of Quadratic Equations to Projectiles* Standard: A1.8.7

Homework: 38.1 _____ 38.2 _____ 38.3 _____

Quiz: 38.1 _____ 38.2 _____ 38.3 _____

Day 39 Lesson: *Solving Radical Equations* Standard: A1.8.8

Homework: 39.1 _____ 39.2 _____ 39.3 _____

Quiz: 39.1 _____ 39.2 _____ 39.3 _____

Week 14

Day 40

Lesson: *Benchmark Review*

Homework: ECA Total Review Worksheet #1

Day 41

Quiz: *Benchmark Test* – How did you do? What do you need to go back and review?

Lesson:	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Standards:	A1.1.3.1	A1.2.1 A1.1.3.2	A1.7.2 A1.2.2	A1.2.4 A1.2.5	A1.2.6.2
	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>
	A1.3.2 A1.3.3 A1.3.4	A1.3.1 A1.4.5.1 A1.4.5.2	A1.4.1	A1.4.2 A1.4.3	A1.4.4
	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
	A1.4.6	A1.2.6.1	A1.5.1	A1.5.4 A1.5.5	A1.5.3
	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>
	A1.5.6	A1.5.6	A1.5.2	A1.6.1	A1.6.4
	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>
	A1.6.2.1 A1.6.2.2 A1.6.3.1	A1.6.5 A1.6.6	A1.6.7	A1.6.7	A1.1.2 A1.6.3.2
	<u>31</u>	<u>32</u>	<u>33</u>	<u>34</u>	<u>35</u>
	A1.8.2	A1.8.3 A1.8.4	A1.8.6	A1.8.7	A1.6.8
	<u>37</u>	<u>38</u>	<u>39</u>		
	A1.8.1	A1.8.7	A1.8.8		

Day 42

Lesson: *Final Review*

Homework: ECA Total Review Worksheet #2