

Analysis of Part 1:

1. After grading your work from part one, shade LIGHTLY each problem you did not solve correctly (for ANY reason).
2. Determine which areas are your strengths and your weaknesses. For each area of weakness, spend some time reviewing the concepts using the included links. Please note that the links will take you to a selection of concepts for that specific topic. Each video is approximately 5 minutes long... Choose to view only the ones that will help you show mastery of the content. For some concepts, you may only need to watch one or two videos, where with other concepts, you may need to watch many to “get” the concept.
3. Move to Summer Assignment – Part 2. Only solve the problems from YOUR identified areas of weakness. There is an answer key for you to check your work. If you need additional practice in any of your identified areas of weakness, email Miss Kline at Karen.kline@cobbk12.org asking for additional practice. Miss Kline will send you additional practice within a few days of your request, excluding the last week of June.

Section 1: Equations and Inequalities		
Multi-Step Equations	1	2
Literal Equations	3	4
Online Review Resources:		
<ul style="list-style-type: none"> • https://www.virtualnerd.com/algebra-1/linear-equations-solve/one-step • https://www.virtualnerd.com/algebra-1/linear-equations-solve/two-or-multi-step • https://www.virtualnerd.com/algebra-1/linear-equations-solve/variables-both-sides-equations • https://www.virtualnerd.com/algebra-1/linear-equations-solve/isolate-variables-formulas-examples 		
Section 2: Linear Equations		
Slope given a line	5	6
Slope given 2 points	7	8
Slope given an equation	9	10
Graph a line	11	12
Online Review Resources:		
<ul style="list-style-type: none"> • https://www.virtualnerd.com/algebra-1/linear-equation-analysis/slope-rate-of-change • https://www.virtualnerd.com/algebra-1/linear-equation-analysis/intercept • https://www.virtualnerd.com/algebra-1/linear-equation-analysis/slope-intercept-form • https://www.virtualnerd.com/algebra-1/linear-equation-analysis/slope-intercept-form/slope-intercept-form-examples • https://www.virtualnerd.com/algebra-1/linear-equation-analysis/point-slope-standard-form/standard-form-examples 		
Section 3: Systems of Equations and Inequalities		
Solve by Substitution	13	14
Solve by Elimination	15	16
Solve by Graphing	17	18
Solve System of Inequalities	19	20
Online Review Resources:		
<ul style="list-style-type: none"> • https://www.virtualnerd.com/algebra-1/systems-equations-inequalities/substitution • https://www.virtualnerd.com/algebra-1/systems-equations-inequalities/elimination • https://www.virtualnerd.com/algebra-1/systems-equations-inequalities/graphing • https://www.virtualnerd.com/algebra-1/systems-equations-inequalities/special-cases • https://www.virtualnerd.com/algebra-1/systems-equations-inequalities/inequalities 		

Section 4: Distance Formula and Pythagorean Theorem

Distance Formula	21	22
Find missing side of right triangle	23	24
Determine if a triangle is right	25	26
Classify the triangle by it's angles	27	28

Online Review Resources:

- <https://www.virtualnerd.com/algebra-1/radical-expressions-equations/distance-midpoint-formulas/distance-formula>
- <https://www.virtualnerd.com/algebra-1/radical-expressions-equations/pythagorean-theorem/pythagorean-theorem-examples>

Section 5: Radical Expressions and Equations

Simplify Radical Expressions	29	30		
Add/Subtract Radical Expressions	31	32		
Multiply Radical Expressions	33	34	35	36
Divide Radical Expressions	37	38		

Online Review Resources:

- <https://www.virtualnerd.com/algebra-1/radical-expressions-equations/simplify>
- <https://www.virtualnerd.com/algebra-1/radical-expressions-equations/operations>
- <https://www.virtualnerd.com/algebra-1/radical-expressions-equations/solve>

Section 6: Quadratic Expressions and Equations

Factor quadratic expression	41	42
Solve by factoring	43	44
Solve by square root method	45	46
Solve by completing the square	47	48
Solve by quadratic formula	49	50

Online Review Resources:

- <https://www.virtualnerd.com/algebra-1/polynomials-and-factoring/trinomial-factorization>
- <https://www.virtualnerd.com/algebra-1/polynomials-and-factoring/factoring-special-products>
- <https://www.virtualnerd.com/algebra-1/quadratic-equations-functions/square-roots-and-factoring>
- <https://www.virtualnerd.com/algebra-1/quadratic-equations-functions/completing-the-square>
- <https://www.virtualnerd.com/algebra-1/quadratic-equations-functions/discriminant-quadratic-formula>

Areas of Strength:

Areas of Weakness:

After viewing the online resources and completing problems from section 2, complete the following:

1. After working through these materials, I now am confident in ...

Because...

2. I'm still not sure about...

3. My goals for math this year are...

I plan to reach my goals by...

4. My biggest fear for math this year is...

I plan to overcome this by...