Algebra 1 Daily activities list

Yamhill Carlton High School

Mr. Slavish and Ms. Nielsen
slavishj@ycschools.org, Nielsenk@ycschools.org
Fall 2020
Class Syllabus

Jan. 25th

Learning Objective(s)

- I will practice what I have learned.

Activities

- Zoom:
    a. Questions and Answers for study guide
- Independent Work:
    a. Work on Study Guide

Upcoming Due Dates

-

Jan. 22nd

Learning Objective(s)

- I will learn how to graph linear inequalities with two variables. I will also discover how to graph non-linear inequalities that contain two variables.

Activities

- Zoom:
    a. Questions and Answers for 9.3.1
    b. Breakout Groups 9.3.2 #77 - 80
    c. Class Closure Discussion
- Independent Work:
    a. Work on Study Guide

Upcoming Due Dates

- **Due 1/22 by 5pm: 9.3.1 RP #72, 74, 75**

Jan. 21st

Learning Objective(s)

- I will learn how to graph linear inequalities with two variables. I will also discover how to graph non-linear inequalities that contain two variables.

Activities

- Zoom:
    a. Questions and Answers for 9.2.2

    b. Breakout Groups 9.3.1 #66 - 68ab
    c. Class Closure Discussion
- Independent Work:
    a. Complete 9.3.1 RP #72, 74, 75

Upcoming Due Dates

- **Due 1/21 by 5pm: 9.2.2 RP #59, 62, 64**
- Due 1/22 by 5pm: 9.3.1 RP #72, 74, 75

Jan. 20th

Learning Objective(s)

- I will learn how to solve linear inequalities with one variable and how to represent the solution on a number line. I will also discover how to find the boundary point.

Activities

- Zoom:
    a. Questions and Answers for 9.2.1
    b. Breakout Groups 9.2.2 #56, 58
    c. Class Closure Discussion
- Independent Work:
    a. Complete 9.2.2 RP #59, 62, 64
    b. Watch 9.3.1 Intro Video

Upcoming Due Dates

- **Due 1/20 by 5pm: 9.2.1 RP #51, 53, 54**
- Due 1/21 by 5pm: 9.2.2 RP #59, 62, 64

Jan. 19th

Learning Objective(s)

- I will learn how to solve linear inequalities with one variable and how to represent the solution on a number line. I will also discover how to find the boundary point.

Activities

- Zoom:
    a. Questions and Answers for 9.1.4
    b. Breakout Groups 9.2.1 #45 - 48
    c. Class Closure Discussion
- Independent Work:
    a. Complete 9.2.1 RP #51, 53, 54
    b. Watch 9.2.2 Intro Video

Upcoming Due Dates

- **Due 1/19 by 5pm: 9.1.4 RP #41, 42, 43**
- Due 1/20 by 5pm: 9.2.1 RP #51, 53, 54

Jan. 15th

Learning Objective(s)

- I will continue to solve quadratic equations, including some not in standard form. I will also decide which method is best to try first in different types of equations.

Activities

- Zoom:
    a. Questions and Answers for 9.1.3
    b. Breakout Groups 9.1.4 #34, 36
    c. Class Closure Discussion
    d. Quiz 11
- Independent Work:
    a. Complete 9.1.4 RP #41, 42, 43
    b. Watch 9.2.1 Intro Video

Upcoming Due Dates

- **Due 1/15 by 5pm: 9.1.3 RP #30, 31, 33**
- **Due 1/17 by 8pm: Quiz 11**
- Due 1/19 by 5pm: 9.1.4 RP #41, 42, 43

Jan. 14th

Learning Objective(s)

- I will continue to solve quadratic equations, including some not in standard form. I will also decide which method is best to try first in different types of equations.

Activities

- Zoom:
    a. Questions and Answers for Solving Quadratics Worksheet
    b. Breakout Groups 9.1.3 #24, 25
    c. Class Closure Discussion
- Independent Work:
    a. Complete 9.1.3 RP #30, 31, 33
    b. Watch 9.1.4 Intro Video

Upcoming Due Dates

- **Due 1/14 by 5pm: Solving Quadratics Worksheet**
- Due 1/15 by 5pm: 9.1.3 RP #30, 31, 33

Jan. 13th

Learning Objective(s)

- Students will practice solving quadratic equations

Activities

- Zoom:

    a. Questions and Answers for 9.1.2
    b. Breakout Groups Quadratics Practice
    c. Class Closure Discussion
- Independent Work:
    a. Complete Solving Quadratics Worksheet
    b. Watch 9.1.3 Intro Video

Upcoming Due Dates

- **Due 1/13 by 5pm: 9.1.2 RP #17, 18, 20**
- Due 1/14 by 5pm: Solving Quadratics Worksheet

Jan. 12th

Learning Objective(s)

- Students will learn how to use the Quadratic Formula to solve quadratic equations.

Activities

- Zoom:
    a. Questions and Answers for 9.1.1
    b. Breakout Groups 9.1.2 #13 - 16
    c. Class Closure Discussion
- Independent Work:
    a. Complete 9.1.2 RP #17, 18, 20

Upcoming Due Dates

- **Due 1/12 by 5pm: 9.1.1 RP #7, 10**
- Due 1/13 by 5pm: 9.1.2 RP #17, 18, 20

Jan. 11th

Learning Objective(s)

- Students will expand their skills using the Zero Product Property to solve quadratic equations.

Activities

- Zoom:
    a. Questions and Answers for 8.2.4
    b. Breakout Groups 9.1.1 #1, 2
    c. Class Closure Discussion
- Independent Work:
    a. Complete 9.1.1 RP #7, 10
    b. Watch 9.1.2 Intro Video

Upcoming Due Dates

- Due 1/12 by 5pm: 9.1.1 RP #7, 10

Jan. 8th

Learning Objective(s)

- I will show what I have learned by completing a test

Activities

- Zoom:
    a. Individual Breakout Rooms for Test
- Independent Work:
    a. Complete Test

Upcoming Due Dates

- **Due 1/8 by 5pm: 8.2.4 RP #92, 95, 96**
- **Due 1/8 by 5pm: Test 5**

Jan. 7th

Learning Objective(s)

- I will practice moving from a table, graph, or situation to a quadratic rule.

Activities

- Zoom:
    a. Questions and Answers for 8.2.3
    b. Breakout Groups 8.2.4 #89, 90
    c. Class Closure Discussion
- Independent Work:
    a. Complete 8.2.4 RP #92, 95, 96
    b. Study for test

Upcoming Due Dates

- **Due 1/7 by 5pm: 8.2.3 RP #83, 86, 87**
- Due 1/8 by 5pm: 8.2.4 RP #92, 95, 96
- Due 1/8 by 5pm: Test 5

Jan. 6th

Learning Objective(s)

- I will use desmos to find the x-intercept and the vertex of a parabola. I will also use square root to solve quadratic equations.

Activities

- Zoom:
    a. Questions and Answers for 8.2.2
    b. Breakout Groups 8.2.3 #77 - 82
    c. Class Closure Discussion
- Independent Work:
    a. Complete 8.2.3 RP #83, 86, 87

    b. Watch 8.2.4 Intro Video

Upcoming Due Dates

- **Due 1/6 by 5pm: 8.2.2 RP #69, 71, 73, 74**
- Due 1/7 by 5pm: 8.2.3 RP #83, 86, 87

Jan. 5th

Learning Objective(s)

- I will learn how to sketch a graph of a quadratic rule using its intercepts. I will also learn how to find the intercepts using the zero power property.

Activities

- Zoom:
    a. Questions and Answers for 8.2.1
    b. Breakout Groups 8.2.2 #64 - 68
    c. Class Closure Discussion
- Independent Work:
    a. Complete 8.2.2 RP #69, 71, 73, 74
    b. Watch 8.2.3 Intro Video

Upcoming Due Dates

- **Due 1/5 by 5pm: 8.2.1 RP #58, 59, 60**
- Due 1/6 by 5pm: 8.2.2 RP #69, 71, 73, 74

Jan. 4th

Learning Objective(s)

- I will identify connections between multiple representations of a quadratic. An equation, a table, a situation, and a graph.

Activities

- Zoom:
    a. Questions and Answers
    b. Breakout Groups 8.2.1 #55, 56, 57
    c. Class Closure Discussion
- Independent Work:
    a. Complete 8.2.1 RP #58, 59, 60
    b. Watch 8.2.2 Intro Video

Upcoming Due Dates

- Due 1/5 by 5pm: 8.2.1 RP #58, 59, 60

Dec. 18th

Learning Objective(s)

- I will show what I have learned on a quiz

Activities

- Zoom:
    a. Individual Breakout rooms for quiz 10
- Independent Work:
    a. Complete quiz 10

Upcoming Due Dates

- **Due 12/18 by 5pm: Factoring Worksheet (just first page)**
- **Due 12/18 by 5pm: Quiz 10**

Dec. 17th

Learning Objective(s)

- I will practice my factoring skills

Activities

- Zoom:
    a. Questions and Answers for 8.1.5
    b. Breakout Groups to work on Factoring Worksheet
    c. Class Closure Discussion
- Independent Work:
    a. Complete Factoring Worksheet

Upcoming Due Dates

- **Due 12/17 by 5pm: Ch 8.2.1 RP #49, 51, 53**
- Due 12/18 by 5pm: Factoring Worksheet (just first page)

Dec. 16th

Learning Objective(s)

- I will learn a quick way to factor perfect square trinomials and quadratics that are a difference of squares.

Activities

- Zoom:
    a. Questions and Answers for 8.1.4
    b. Breakout Groups 8.1.5 #45 - 48
    c. Class Closure Discussion
- Independent Work:
    a. Complete 8.1.5 RP #49, 51, 53
    b. Watch 8.2.1 Intro Video

Upcoming Due Dates

- **Due 12/16 by 5pm: Ch 8.1.4 RP #39, 41, 44**
- Due 12/17 by 5pm: Ch 8.2.1 RP #49, 51, 53

Dec. 15th

Learning Objective(s)

- I will complete my focus on factoring by considering expressions that can be factored first with a common factor.

Activities

- Zoom:
    a. Questions and Answers for 8.1.3
    b. Breakout Groups 8.1.4 #35 - 38ab
    c. Class Closure Discussion
- Independent Work:
    a. Complete 8.1.4 RP #39, 41, 44
    b. Watch 8.1.5 Intro Video

Upcoming Due Dates

- **Due 12/15 by 5pm: Ch 8.1.3 RP #29, 31, 33**
- Due 12/16 by 5pm: Ch 8.1.4 RP #39, 41, 44

Dec. 14th

Learning Objective(s)

- I will continue to practice factoring while learning about special cases: quadratics with missing terms and ones with more than one factored form.

Activities

- Zoom:
    a. Questions and Answers for 8.1.2
    b. Breakout Groups 8.1.3 #24 - 26, 27
    c. Class Closure Discussion
- Independent Work:
    a. Complete 8.1.3 RP #29, 31, 33
    b. Watch 8.1.4 Intro Video

Upcoming Due Dates

- **Due 12/14 by 5pm: Ch 8.1.2 RP #17, 20, 22**
- Due 12/15 by 5pm: Ch 8.1.3 RP #29, 31, 33

Dec. 11th

Learning Objective(s)

- I will develop an algorithm to factor quadratic expressions without algebra tiles.

Activities

- Zoom:
    a. Questions and Answers for 8.1.1
    b. Breakout Groups 8.1.2 #13 - 16ab
    c. Class Closure Discussion
    d. Quiz 9
- Independent Work:
    a. Complete 8.1.2 RP #17, 20, 22
    b. Complete Quiz 9

    c. Watch 8.1.3 Intro Video

Upcoming Due Dates

- **Due 12/11 by 5pm: Ch 8.1.1 RP #6, 9, 10**
- **Due 12/13 by 8pm: Quiz 9**
- Due 12/14 by 5pm: Ch 8.1.2 RP #17, 20, 22

Dec. 10th

Learning Objective(s)

- I will solidifying connections between table, equation, graph, and situation representations of an exponential function.

Activities

- Zoom:
    a. Questions and Answers for 7.1.6
    b. Breakout Groups 8.1.1 RP #1 - 5
    c. Class Closure Discussion
- Independent Work:
    a. Complete 8.1.1 RP #6, 9, 10
    b. Watch 8.1.2 Intro Video

Upcoming Due Dates

- **Due 12/10 by 5pm: Ch 7.1.6 RP #73, 75, 77**
- Due 12/11 by 5pm: Ch 8.1.1 RP #6, 9, 10

Dec. 9th

Learning Objective(s)

- I will solidifying connections between table, equation, graph, and situation representations of an exponential function.

Activities

- Zoom:
    a. Questions and Answers for 7.1.5
    b. Breakout Groups 7.1.6 RP #68 - 72
    c. Class Closure Discussion
- Independent Work:
    a. Complete 7.1.6 RP #73, 75, 77
    b. Watch 8.1.1 Intro Video

Upcoming Due Dates

- **Due 12/9 by 5pm: Ch 7.1.5 RP #62, 63, 66**
- Due 12/10 by 5pm: Ch 7.1.6 RP #73, 75, 77

Dec. 8th

Learning Objective(s)

- I will use what I know about exponential growth to write equations for exponential functions presented as graphs.

Activities

- Zoom:
    a. Questions and Answers for 7.1.4b
    b. Breakout Groups 7.1.5 RP #59, 60
    c. Class Closure Discussion
- Independent Work:
    a. Complete 7.1.5 RP #62, 63, 66
    b. Watch 7.1.6 Intro Video

Upcoming Due Dates

- **Due 12/8 by 5pm: Ch 7.1.4b RP #53, 54, 55**
- Due 12/9 by 5pm: Ch 7.1.5 RP #62, 63, 66

Dec. 7th

Learning Objective(s)

- I will represent exponential decay in multiple ways and will further investigate the effect when the exponent is 0 or negative.

Activities

- Zoom:
    a. Questions and Answers for 7.1.4a
    b. Breakout Groups 7.1.4b #45, 46
    c. Class Closure Discussion
- Independent Work:
    a. Complete 7.1.4b RP #53, 54, 55
    b. Watch 7.1.5 Intro Video

Upcoming Due Dates

- Due 12/8 by 5pm: Ch 7.1.4b RP #53, 54, 55

Dec. 4th

Learning Objective(s)

- I can use my knowledge to complete a test

Activities

- Zoom:
    a. Individual breakout rooms to take test
- Independent Work:
    a. Complete Test 4
    b. Watch 7.1.4 Intro Video

Upcoming Due Dates

- **Due 12/4 by 5pm: Ch 7.1.4a RP #47, 49, 50**
- **Due 12/4 by 5pm: Test 4**

Dec. 3rd

Learning Objective(s)

- I will represent exponential decay in multiple ways and will further investigate the effect when the exponent is 0 or negative.

Activities

- Zoom:
    a. Questions and Answers for 7.1.3
    b. Breakout Groups 7.1.4 #42, 43
    c. Class Closure Discussion
- Independent Work:
    a. Complete 7.1.4 RP #47, 49, 50
    b. Study for Test

Upcoming Due Dates

- **Due 12/3 by 5pm: Ch 7.1.3 RP #35, 38, 40**
- Due 12/4 by 5pm: Ch 7.1.4a RP #47, 49, 50
- Due 12/4 by 5pm: Test 4

Dec. 2nd

Learning Objective(s)

- I will use what I know about linear and exponential functions to investigate the relationship between simple and compound interest.

Activities

- Zoom:
    a. Questions and Answers for 7.1.2
    b. Breakout Groups 7.1.3 #30 - 33
    c. Class Closure Discussion
- Independent Work:
    a. Complete 7.1.3 RP #35, 38, 40
    b. Watch 7.1.4 Intro Video

Upcoming Due Dates

- **Due 12/2 by 5pm: Ch 7.1.2 RP #24, 26, 27**
- Due 12/3 by 5pm: Ch 7.1.3 RP #35, 38, 40

Dec. 1st

Learning Objective(s)

- I will deepen and extend my understanding of exponential functions by examining the multiplier (b) and starting point (a) in different representations.

Activities

- Zoom:

    a. Questions and Answers for 7.1.1
    b. Breakout Groups 7.1.2 #20, 21
    c. Class Closure Discussion
- Independent Work:
    a. Complete 7.1.2 RP #24, 26, 27
    b. Watch 7.1.3 Intro Video

Upcoming Due Dates

- **Due 12/1 by 5pm: Ch 7.1.1 RP #12, 13, 19**
- Due 12/2 by 5pm: Ch 7.1.2 RP #24, 26, 27

Nov. 30th

Learning Objective(s)

- I will Investigate the family of functions $y=b^x$ and will make/justify statements about the behaviors of graphs in this family.

Activities

- Zoom:
    a. Questions and Answers for 5.1.2
    b. Breakout Groups 7.1.1 #1 - 4, 6
    c. Class Closure Discussion
- Independent Work:
    a. Complete 7.1.1 RP #12, 13, 19
    b. Watch 7.1.2 Intro Video

Upcoming Due Dates

- Due 11/30 by 5pm: Ch 5.1.2 RP #22, 25
- Due 12/1 by 5pm: Ch 7.1.1 RP #12, 13, 19

Nov. 20th

Learning Objective(s)

- I can investigate the relationship between the height from which you drop a ball and the height to which it rebounds.

Activities

- Zoom:
    a. Questions and Answers for 5.1.1
    b. Breakout Groups 5.1.2 #18, 19, 20
    c. Class Closure Discussion
    d. Quiz 8
- Independent Work:
    a. Complete 5.1.2 RP #22, 25
    b. Complete Quiz 8
    c. Watch 7.1.1 Intro Video

Upcoming Due Dates

- **Due 11/20 by 5pm: 5.1.1b RP #7, 8, 12**

- **Due 11/22 by 8pm: Quiz 8**
- Due 11/30 by 5pm: Ch 5.1.2 RP #22, 25

Nov. 19th

Learning Objective(s)

- I can use tables, graphs and models to represent exponential growth.

Activities

- Zoom:
    a. Questions and Answers for 4.3.1
    b. Breakout Groups 5.1.1a #3, 4 - Desmos
    c. Class Closure Discussion
- Independent Work:
    a. Complete 5.1.1a RP #6, 10, 16
    b. Watch 5.1.2 Intro Video

Upcoming Due Dates

- **Due 11/19 by 5pm: 5.1.1a RP #6, 10, 16**
- Due 11/20 by 5pm: 5.1.1b RP#7, 8, 12

Nov. 18th

Learning Objective(s)

- I can use tables, graphs and models to represent exponential growth.

Activities

- Zoom:
    a. Questions and Answers for 4.3.1
    b. Breakout Groups 5.1.1a #1, 2
    c. Class Closure Discussion
- Independent Work:
    a. Complete 5.1.1a RP #6, 10, 16

Upcoming Due Dates

- **Due 11/18 by 5pm: 4.3.1 RP #104, 111, 114**
- Due 11/19 by 5pm: 5.1.1a RP #6, 10, 16

Nov. 17th

Learning Objective(s)

- I can apply the skills that I have learned to solve systems of linear equations to more complex word problems.

Activities

- Zoom:
    a. Questions and Answers for 4.2.5
    b. Breakout Groups 4.3.1 #88, 91, 96

    c. Class Closure Discussion
- Independent Work:
    a. Complete 4.3.1 RP #104, 111, 114
    b. Watch 5.1.1 Intro Video

Upcoming Due Dates

- **Due 11/17 by 5pm: 4.2.5 RP #81, 82, 86**
- Due 11/18 by 5pm: 4.3.1 RP #104, 111, 114

Nov. 16th

Learning Objective(s)

- I can determine which method of solving systems of linear equations to use that will be the most convenient, efficient, and accurate for a given system.

Activities

- Zoom:
    a. Questions and Answers for 4.2.4
    b. Breakout Groups 4.2.5 #77, 78a-d, 79, 80
    c. Class Closure Discussion
- Independent Work:
    a. Complete 4.2.5 RP #81, 82, 86
    b. Watch 4.3.1 Intro Video

Upcoming Due Dates

- **Due 11/16 by 5pm: 4.2.4 RP #71, 73, 75**
- Due 11/17 by 5pm: 4.2.5 RP #81, 82, 86

Nov. 13th

Learning Objective(s)

- I can use the Elimination Method to solve systems of equations when neither is in the y=mx+b form.

Activities

- Zoom:
    a. Questions and Answers for 4.2.3
    b. Breakout Groups 4.2.4 #68, 69, 70
    c. Class Closure Discussion
    d. Quiz 7
- Independent Work:
    a. Complete 4.2.4 RP #71, 73, 75
    b. Complete quiz 7
    c. Watch 4.2.5 Intro Video

Upcoming Due Dates

- **Due 11/13 by 5pm: 4.2.3 RP #60, 61, 64**
- **Due 11/15 by 8pm: Quiz 7**
- Due 11/16 by 5pm: 4.2.4 RP #71, 73, 75

Nov. 12th

Learning Objective(s)

- I can develop a new solution method that can save time for systems of linear equations in standard form, ax+by=c.

Activities

- Zoom:
    a. Questions and Answers for 4.2.2
    b. Breakout Groups 4.2.3 #57, 58, 59
    c. Class Closure Discussion
- Independent Work:
    a. Complete 4.2.3 RP #60, 61, 64
    b. Watch 4.2.4 Intro Video

Upcoming Due Dates

- **Due 11/12 by 5pm: 4.2.2 RP #50, 51, 52**
- Due 11/13 by 5pm: 4.2.3 RP #60, 61, 64

Nov. 10th

Learning Objective(s)

- I will represent mathematical sentences on a graph and will examine more closely the solution to a two-variable equation.

Activities

- Zoom:
    a. Breakout Groups 4.2.2 # 42, 43-45 (FG), 46
    b. Class Closure Discussion
- Independent Work:
    a. Complete 4.2.2 RP #50, 51, 52
    b. Watch 4.2.3 Intro Video

Upcoming Due Dates

- Due 11/12 by 5pm: 4.2.2 RP #50, 51, 52

Nov. 9th

Learning Objective(s)

- I will practice what I have learned through a Desmos Activity

Activities

- Zoom:
    a. Desmos Activity
    b. Class Closure Discussion
- Independent Work:
    a. Watch 4.2.2 Intro Video

Upcoming Due Dates

-

Nov. 5th

Learning Objective(s)

- I will show my understanding by completing a final

Activities

- Zoom:
    a. Individual breakout rooms
- Independent Work:
    a. Finish Final

Upcoming Due Dates

- **Due 11/5 by 5pm: Final**

Nov. 4th

Learning Objective(s)

- I will show my understanding by completing a final

Activities

- Zoom:
    a. Individual breakout rooms
- Independent Work:
    a. Finish Final

Upcoming Due Dates

- **Due 11/5 by 5pm: Final**

Nov. 3rd

Learning Objective(s)

- I will ask questions to further understanding of concepts

Activities

- Zoom:
    a. Class discussion
- Independent Work:
    a. Study for Final

Upcoming Due Dates

- **Due 11/5 by 5pm: Final**

Nov. 2nd

Learning Objective(s)

- I will practice what I have learned through a Desmos Activity

Activities

- Zoom:
    a. Questions & Answers from 4.2.1
    b. Desmos Activity
    c. Class Closure Discussion
- Independent Work:
    a. Work on Study Guide

Upcoming Due Dates

- **Due 11/2 by 5pm: Ch 4.2.1 RP #37, 38, 40, 41ab**

Oct. 30th

Learning Objective(s)

- I will develop more effective methods of solving systems that are too messy to solve by setting the equations equal to each other.

Activities

- Zoom:
    a. Questions & Answers from 4.1.2
    b. Breakout Groups 4.2.1: #33, 34
    c. Class Closure Discussion
    d. Quiz 6
- Independent Work:
    a. Complete Ch 4.2.1 RP #37, 38, 40, 41ab
    b. Complete Quiz 6

Upcoming Due Dates

- **Due 10/30 by 5pm: Ch 4.1.2 RP #25, 26, 30**
- **Due 11/1 by 8pm: Quiz 6**
- Due 11/2 by 5pm: Ch 4.2.1 RP #37, 38, 40, 41ab

Oct. 29th

Learning Objective(s)

- I can represent word problems with two or more equations. I will explore how to use the Equal Values Method to solve systems containing equations that are not in the y=mx+b form.

Activities

- Zoom:
    a. Questions & Answers from 4.1.1
    b. Breakout Groups 4.1.2: #20 - 23
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 4.1.2 RP #25, 26, 30
    b. Watch 4.2.1 Intro Video

Upcoming Due Dates

- **Due 10/29 by 5pm: Ch 4.1.1 RP #10,12, 18**
- Due 10/30 by 5pm: Ch 4.1.2 RP #25, 26, 30

Oct. 28th

Learning Objective(s)

- I can translate written information into algebraic symbols and then solve the equations that represent the relationships.

Activities

- Zoom:
    a. Questions & Answers from 3.3.3
    b. Breakout Groups 4.1.1: #1, 2, 3, 6a
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 4.1.1 RP #10, 12, 18
    b. Watch 4.1.2 Intro Video

Upcoming Due Dates

- **Due 10/28 by 5pm: Ch 3.3.3 RP #108, 110, 111**
- Due 10/29 by 5pm: Ch 4.1.1 RP #10,12, 18

Oct. 27th

Learning Objective(s)

- I can continue to develop my equation-solving skills and apply these practices to several types of equations.

Activities

- Zoom:
    a. Questions & Answers from 3.3.2b
    b. Breakout Groups 3.3.3: #105, 106
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 3.3.3 RP #108, 110, 111
    b. Watch 4.1.1 Intro Video

Upcoming Due Dates

- **Due 10/27 by 5pm: Ch 3.3.2b RP #99, 101, 103**
- Due 10/28 by 5pm: Ch 3.3.3 RP #108, 110, 111

Oct. 26th

Learning Objective(s)

- I can apply my equation-solving skills to rewrite equations with two or more variables.

Activities

- Zoom:

    a. Questions & Answers from 3.3.2a
    b. Breakout Groups 3.3.2b: #90, 91
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 3.3.2b RP #99, 101, 103
    b. Watch 3.3.3 Intro Video

Upcoming Due Dates

- **Due 10/26 by 5pm: Ch 3.3.2a RP #93 94 96**
- Due 10/27 by 5pm: Ch 3.3.2b RP #99, 101, 103

Oct. 23rd

Learning Objective(s)

- I can apply my equation-solving skills to rewrite equations with two or more variables.

Activities

- Zoom:
    a. Questions & Answers from 3.3.1
    b. Breakout Groups 3.3.2a: #87, 88, 89ab
    c. Class Closure Discussion
    d. Quiz 5
- Independent Work:
    a. Complete Ch 3.3.2a RP #93 94 96
    b. Complete Quiz 5

Upcoming Due Dates

- **Due 10/23 by 5pm: Ch 3.3.1 RP #83 - 85**
- **Due 10/25 by 8pm: Quiz 5**
- Due 10/26 by 5pm: Ch 3.3.2a RP #93 94 96

Oct. 22nd

Learning Objective(s)

- I can solve algebraic equations that have an absolute value in them.

Activities

- Zoom:
    a. Questions & Answers from 3.2.4
    b. Breakout Groups 3.3.1 #76 - 79
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 3.3.1 RP #83 - 85
    b. Watch 3.3.2 Intro Video

Upcoming Due Dates

- **Due 10/22 by 5pm: Ch 3.2.4 RP #70, 72, 73, 75**
- Due 10/23 by 5pm: Ch 3.3.1 RP #83 - 85

Oct. 21st

Learning Objective(s)

- I can use matrix multiplication to find the product of two linear equations.

Activities

- Zoom:
    a. Questions & Answers from 3.2.3
    b. Breakout Groups 3.2.4 #65 - 67, 68ab
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 3.2.4 RP #70, 72, 73, 75
    b. Watch 3.3.1 Intro Video

Upcoming Due Dates

- **Due 10/21 by 5pm: Ch 3.2.3 RP #59, 60 , 62**
- Due 10/22 by 5pm: Ch 3.2.4 RP #70, 72, 73, 75

Oct. 20th

Learning Objective(s)

- I can use area rectangle sums to write the area as a product…and the other way around!

Activities

- Zoom:
    a. Breakout Groups 3.2.3 #54, 55, 56
    b. Class Closure Discussion
- Independent Work:
    a. Complete Ch 3.2.3 RP #59, 60, 62
    b. Watch 3.2.4 Intro Video

Upcoming Due Dates

- Due 10/21 by 5pm: Ch 3.2.3 RP #59, 60 , 62

Oct. 19th

Learning Objective(s)

- I can practice graphing linear equations

Activities

- Zoom:
    a. Big group graphing activity
- Independent Work:
    a. Watch 3.2.3 Intro Video

Upcoming Due Dates

- **None**

Oct. 16th

Learning Objective(s)

- I can show what I have learned by completing the test.

Activities

- Zoom:
    a. Individual Breakout Rooms for Test
- Independent Work:
    a. Complete Test 2
    b. Watch 3.2.3 Intro Video

Upcoming Due Dates

- **Due 10/16 by 5pm: Ch 3.2.2 RP: #48, 49, 53**
- **Due 10/16 by 5pm: Test 2**

Oct. 15th

Learning Objective(s)

- I can continue to use algebra tiles to represent expressions using multiplication.

Activities

- Zoom:
    a. Questions & Answers from 3.2.1b
    b. Breakout Groups 3.2.2 #45, 46, 47
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 3.2.2 RP #48, 49, 53
    b. Watch 3.2.3 Intro Video

Upcoming Due Dates

- **Due 10/15 by 5pm: Ch 3.2.1b RP: #36, 38**
- Due 10/16 by 5pm: Ch 3.2.2 RP: #48, 49, 53
- Due 10/16 by 5pm: Test 2

Oct. 14th

Learning Objective(s)

- I can use algebra tiles to model the equation ↔ situation connection.

Activities

- Zoom:
    a. Questions & Answers from 3.2.1a
    b. Breakout Groups 3.2.1b #28, 29, 30
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 3.2.1b RP #36, 38

b. Watch 3.2.2 Intro Video

Upcoming Due Dates

- **Due 10/14 by 5pm: Ch 3.2.1a RP: #33, 34**
- Due 10/15 by 5pm: Ch 3.2.1b RP: #36, 38

Oct. 13th

Learning Objective(s)

- I can use algebra tiles to model the equation ↔ situation connection.

Activities

- Zoom:
  a. Questions & Answers from 3.1.2
  b. Breakout Groups 3.2.1 #25, 26, 27
  c. Class Closure Discussion
- Independent Work:
  a. Complete Ch 3.2.1 RP #33, 34
  b. Watch 3.2.1 Day 2 Intro Video

Upcoming Due Dates

- **Due 10/13 by 5pm: Ch 3.1.2 RP: #19, 21, 24**
- Due 10/14 by 5pm: Ch 3.2.1 RP: #33, 34

Oct. 12th

Learning Objective(s)

- Students will formalize the laws of exponents and will use them to deduce the meaning of x^0 and x^1.

Activities

- Zoom:
  a. Questions & Answers from 3.1.1
  b. Breakout Groups 3.1.2 #13, 14, 15, 16
  c. Class Closure Discussion
- Independent Work:
  a. Complete Ch 3.1.2 RP #19, 21, 24
  b. Watch 3.2.1 Intro Video

Upcoming Due Dates

- **Due by 10/12 by 5pm: Ch 3.1.1 RP: #6, 8, 10**
- Due 10/13 by 5pm: Ch 3.1.2 RP: #19, 21, 24

Oct. 9th

Learning Objective(s)

- Work day for teachers, students should use this time to catch up on any missing assignments.

Activities

- Independent work

Upcoming Due Dates

- **Due by 10/11 by 8pm: Quiz 4**
- Due by 10/12 by 5pm: Ch 3.1.1 RP: #6, 8, 10

Oct. 8th

Learning Objective(s)

- I can develop strategies to simplify algebraic expressions with exponents.

Activities

- Zoom:
    a. Questions & Answers from 2.3.2
    b. Breakout Groups 3.1.1: #1, 2, 3
    c. Class Closure Discussion
    d. Quiz 4
- Independent Work:
    a. Complete Ch 3.1.1 CW and RP #6, 8, 10
    b. Complete Quiz 4
    c. Watch 3.1.2 Intro Video

Upcoming Due Dates

- **Due 10/8 by 5pm: Ch 2.3.2 RP: #92**
- **Due by 10/11 by 8pm: Quiz 4**
- Due by 10/12 by 5pm: Ch 3.1.1 RP: #6, 8, 10

Oct. 7th

Learning Objective(s)

- I can develop an algebraic method for finding the equation of a line when you only know two points on a line.

Activities

- Zoom:
    a. Questions & Answers from 2.3.1
    b. Breakout Groups 2.3.2: #87, 88, 89
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 2.3.2 CW and RP #92
    b. Watch 3.1.1 Intro Video

Upcoming Due Dates

- **Due 10/7 by 5pm: Ch 2.3.1 RP: #85, 86**
- Due 10/8 by 5pm: Ch 2.3.2 RP: #92

Oct. 6th

Learning Objective(s)

- I can develop an algebraic method for finding the equation of a line when only its slope and a point of a line is given.$(y-y_1)=m(x-x_1)$

Activities

- Zoom:
    a. Questions & Answers from 2.2.3
    b. Breakout Groups 2.3.1: #75, (further guidance 76, 77), 78, 79, 81
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 2.3.1 CW and RP #85, 86
    b. Watch 2.3.2 Intro Video

Upcoming Due Dates

- **Due 10/6 by 5pm: Ch 2.2.3 RP: #71, 72, 74**
- Due 10/7 by 5pm: Ch 2.3.1 RP: #85, 86

Oct. 5th

Learning Objective(s)

- I can construct a line based on known knowledge about a real life situation and use that line to predict future events.

Activities

- Zoom:
    a. Questions & Answers from 2.2.2
    b. Breakout Groups 2.2.3: #68
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 2.2.3 CW and RP #71, 72, 74
    b. Watch 2.2.4 Intro Video

Upcoming Due Dates

- **Due 10/5 by 5pm: Ch 2.2.2 RP: #59, 60, 64**
- Due 10/6 by 5pm: Ch 2.2.3 RP: #71, 72, 74

Oct. 2nd

Learning Objective(s)

- I can define the term “rate of change” and apply its meaning to various situations.

Activities

- Zoom:
    a. Questions & Answers from 2.1.4
    b. Breakout Groups 2.2.2: #53, 54ab, 55a, 58(LL)

    c. Class Closure Discussion
    d. Quiz 3
- Independent Work:
    a. Complete Quiz
    b. Complete Ch 2.2.2 CW and RP #59, 60, 64
    c. Watch 2.2.3 Intro Video

Upcoming Due Dates

- **Due 10/2 by 5pm: Ch 2.1.4 RP: #42ab, 44, 45**
- **Due 10/4 by 8pm: Quiz 3**
- Due 10/5 by 5pm: Ch 2.2.2 RP: #59, 60, 64

Oct. 1st

Learning Objective(s)

- I can use the slope of a line and the y-intercept to find the equation of a line in y=mx+b form.

Activities

- Zoom:
    a. Questions & Answers from 2.1.3
    b. Breakout Groups 2.1.4 #37 - 40
    c. Class Closure Discussion
- Independent Work:
    a. Complete Ch 2.1.4 CW and RP #42ab, 44, 45
    b. Watch 2.2.2 Intro Video

Upcoming Due Dates

- **Due 10/1 by 5pm: Ch 2.1.3 CW and RP #31, 32, 33**
- Due 10/2 by 5pm: Ch 2.1.4 CW and RP #42ab, 44, 45

Sept. 30th

Learning Objective(s)

- I can use the definition of Δx and Δy to describe the slope of a graphed line.

Activities

- Zoom:
    a. Questions & Answers for 2.1.2 CW/RP
    b. Breakout groups for 2.1.3 CW #25 - 27b, 30
    c. Class discussion for 2.1.3 CW
- Independent Work:
    a. Complete Ch 2.1.3 CW and RP #31, 32, 33
    b. Watch 2.1.4 Intro Video

Upcoming Due Dates

- **Ch 2.1.2 CW and RP Due 9/30 by 5pm**
- Ch 2.1.3 CW and RP Due 10/1 by 5pm

Sept. 29th

Learning Objective(s)

- I can use the prediction skills for growth from section 2.1.1 to determine an accurate value of growth from a graph (slope of a line).

Activities

- Zoom:
    a. Questions & Answers for 2.1.1 CW/RP
    b. Breakout groups for 2.1.2 CW #13 - 16
    c. Class discussion for 2.1.2 CW
- Independent Work:
    a. Complete Ch 2.1.2 CW and RP #20, 24
    b. Watch 2.1.3 Intro Video

Upcoming Due Dates

- **Ch 2.1.1 CW and RP Due 9/29 by 5pm**
- Ch 2.1.2 CW and RP Due 9/30 by 5pm

Sept. 28th

Learning Objective(s)

- I can identify and predict growth in linear relationships.

Activities

- Zoom:
    a. Breakout groups for 2.1.1 CW #1, 3, 4, 5
    b. Class discussion for 2.1.1 CW
- Independent Work:
    a. Complete Ch 2.1.1 CW and RP #6, 8, 9
    b. Watch 2.1.2 Intro Video

Upcoming Due Dates

- Ch 2.1.1 CW and RP Due 9/29 by 5pm

Sept. 25th

Learning Objective(s)

- I can demonstrate what I have learned by completing a test

Activities

- Zoom:
    a. Questions & Answers for 1.2.5 CW/RP
    b. Individual breakout groups for test
- Independent Work:
    a. Complete Test 1
    b. Watch 2.1.1 Intro Video

Upcoming Due Dates

- **Ch 1.2.5 CW and RP Due 9/25 by 5pm**
- **Test 1 on 9/25**

Sept. 24th

Learning Objective(s)

- I can describe the inputs and outputs of functions. I can identify the domain and range of a graphed function.

Activities

- Zoom:
    a. Questions & Answers for 1.2.4 CW/RP
    b. Breakout groups for 1.2.5 CW #71 - 74
    c. Class discussion for 1.2.5 CW
- Independent Work:
    a. Complete Ch 1.2.5 CW and RP #78, 80
    b. Watch 2.1.1 Intro Video

Upcoming Due Dates

- **Ch 1.2.4 CW and RP Due 9/24 by 5pm**
- Ch 1.2.5 CW and RP Due 9/25 by 5pm
- Test 1 on 9/25

Sept. 23rd

Learning Objective(s)

- I can identify the qualities needed in a relationship between x-y values to make a function.

Activities

- Zoom: Big group and breakout groups for classwork and discussion
- Independent Work:
    a. Complete Ch 1.2.4 Classwork (CW) and Review & Preview (RP)
    b. Watch 1.2.5 Intro Video

Upcoming Due Dates

- **Ch 1.2.3 CW (53, 55, 56) and RP (57, 58) Due 9/23 by 5 pm**
- Ch 1.2.4 CW (63, 64, 65) and RP (67, 69, 70) Due 9/24 by 5pm
- Test 1 on 9/25

Sept. 22nd

Learning Objective(s)

- I can look more closely at how equations that relate two variables help establish a function between the variables.

Activities

- Zoom: Big group and breakout groups for classwork and discussion
- Independent Work:
    a. Complete Ch 1.2.3 Classwork (CW) and Review & Preview (RP)
    b. Watch 1.2.4 Intro Video

Upcoming Due Dates

- **Ch 1.2.2 Day 2 CW (45 - 46) and RP (47, 48, 51) Due 9/22 by 5pm**
- Ch 1.2.3 CW (53, 55, 56) and RP (57, 58) Due 9/23 by 5 pm

Sept. 21st

Learning Objective(s)

- I can graph and describe absolute value functions and begin to identify the differences (and limitations on domain and range) for different shaped functions.

Activities

- Zoom: Big group and breakout groups for classwork and discussion
- Independent Work:
    a. Complete Ch 1.2.2 Day 2 Classwork (CW) and Review & Preview (RP)
    b. Watch 1.2.3 Intro Video

Upcoming Due Dates

- **Ch 1.2.2 CW (43 - 44) and RP (49, 50) Due 9/21 by 5pm**
- Ch 1.2.2 Day 2 CW (45 - 46) and RP (47, 48, 51) Due 9/22 by 5pm

Sept. 18th

Learning Objective(s)

- I can graph and describe cube root functions and begin identifying the difference between functions.

Activities

- Zoom: Big group and breakout groups for classwork and discussion
- Independent Work:
    a. Complete Ch 1.2.2 Classwork (CW) and Review & Preview (RP)
    b. Watch 1.2.2 Intro Video (This is a 2 day lesson)
    c. Complete Quiz 2

Upcoming Due Dates

- **Ch 1.2.1 CW (30) and RP (33, 34, 37) Due 9/18 by 5pm**
- **Quiz 2 Due 9/20 by 8pm**
- Ch 1.2.2 CW (43 - 44) and RP (49, 50) Due 9/21 by 5pm

Sept. 17th

Learning Objective(s)

- I can explain how to describe the graph of a function completely. I can graph an exponential growth/decay and square root functions.

Activities

- Zoom: Big group and breakout groups for classwork and discussion
- Independent Work:
    a. Complete Ch 1.2.1 Classwork (CW) and Review & Preview (RP)
    b. Watch 1.2.2 Intro Video

Upcoming Due Dates

- **Ch 1.1.3 CW (23) and RP (25, 26, 28) Due 9/17 by 5pm**
- Ch 1.2.1 CW (30) and RP (33, 34, 37) Due 9/18 by 5pm

Sept. 16th

Learning Objective(s)

- I can show that the graph of a quadratic function has the shape of a parabola and describe the graphs important features.

Activities

- Zoom: Big group and breakout groups for classwork and discussion
- Independent Work:
    a. Complete Ch 1.1.3 Classwork (CW) and Review & Preview (RP)
    b. Watch 1.2.1 Intro Video

Upcoming Due Dates

- **Ch 1.1.2 CW (9ab, 11ab) and RP (15, 19) Due 9/16 by 5 pm**
- Ch 1.1.3 CW (23) and RP (25, 26, 28) Due 9/17 by 5pm
- Ch 1.2.1 CW (30) and RP (33, 34, 37) Due 9/18 by 5pm

Sept. 15th

Learning Objective(s)

- I can collect and analyze data with tables and graphs and begin to look at patterns.

Activities

- Zoom: Big group and breakout groups for classwork and discussion
- Independent Work:
    a. Complete Ch 1.1.2 Classwork (CW) and Review & Preview (RP)
    b. Watch 1.1.3 Intro Video

Upcoming Due Dates

- Ch 1.1.2 CW (9ab, 11ab) and RP (15, 19) Due 9/16 by 5 pm
- Ch 1.1.3 CW (23) and RP (25, 26, 28) Due 9/17 by 5pm

Sept. 11th

Learning Objective(s)

- I will get my work in on time and show my practice by completing the quiz

Activities

- Zoom: Big group and breakout groups for classwork and discussion

- Independent Work:
    a. Complete Quiz 1
    b. Watch 1.1.2 Intro Video

Upcoming Due Dates

- **Ch 1.1.1 CW (2b, 3) and RP (4, 7, 8) Due 9/11 by 5pm**
- **Quiz 1 Due 9/13 by 8pm**

Sept. 10th

Learning Objective(s)

- I will be reminded of the multiple representations of a linear functions while considering the output of various composite relations.

Activities

- Zoom: Big group and breakout groups for classwork and discussion
- Independent Work:
    a. Complete Ch 1.1.1 Classwork (CW) and Review & Preview (RP)

Upcoming Due Dates

- Ch 1.1.1 CW (2b, 3) and RP (4, 7, 8) Due 9/11 by 5pm

Sept. 9th

Learning Objective(s)

- I will practice my solving equations skills.

Activities

- Zoom meeting to discuss today's plan
- Independent Work: Solving equations activity

Upcoming Due Dates

- Ch 1.1.1 CW (2b, 3) and RP (4, 7, 8) Due TBD

Sept. 8th

Learning Objective(s)

-

Activities

- Zoom meeting to talk about class specifics (notebooks, ebooks, turning work in, etc.) and Kahoot
- Independent Work: Watch 1.1.1 Intro Video

Upcoming Due Dates

- Due 11/10 by 5pm: Ch 1.1.1 CW (2b, 3) and RP #4, 7, 8