

Math 4(1) direct instruction

Book part: *Algebra & Trigonometry* (chapter P, 1, 2, long division, synthetic division)

- **If test and quizzes are taken on the scheduled day, then bonus points will be added. All test and quizzes must be taken within one week of scheduled day or a zero will be given.**
- A test or quiz maybe fixed for a higher grade, if it is corrected within one week of scheduled test or quiz. The test or quiz must be fixed in teacher's room, but outside of class time (before or after school).
- **Wednesday's from 2:45 - 4 will be open lab** for students needing extra help and it is a good time for students to fix test or quizzes for extra points.
- A participation grade of 10 points will be given each day and put in the grade portal at the end of the week. If you are tardy you will only be eligible for 50% of the participation grade for that day.

Written Test and Quizzes: You may use one 3 x 5 card and calculator

Final: You may use your 3 x 5 card (if you turned them into the teacher after each quiz/test) and calculator

Grading:

- **Attendance = 10%**
 - grade will be put in the portal weekly
 - % = # of days present and on time out of the # of school days in the week
- **Homework/worksheets = 15%**
- **Participation = 5%** (tardy students will only get 50% of the participation grade for that day)
- **Quizzes = 20%** (mid-chapter quizzes weighted 2)
- **Test = 30%**
- **Final = 20%**

Week 1: 7/25 – 7/29 (bell work on solving equations)

M ___ intro to class: Pre-test

M ___ solving worksheet (homework)

T ___ Factoring: GCF, difference of squares and easy trinomial

W ___ Factoring: Grouping, not easy trinomial

Th ___ Factoring: solving by factoring, solving review

F ___ Test over the above: solving and factoring

Chapter P (page 2 – 17) – SHOW ALL WORK

___ Vocabulary worksheet (define words)

Week 2: 8/1-8/5 (bell work on factoring)

M ___ Real number worksheet (1)

M ___ -Real number worksheet (2)

Section P.1 (pg 14)

M ___ Check-point 1 – 9

M ___ Exercise problems: 9, 15, 17, 21, 27, 29, 31, 35, 39, 47, 53, 57, 61, 63, 71, 77, 79, 81, 83, 93, 95, 101, **107, 119, 123, 131, 132, 133 & 141**

W ___ **Exponent worksheet**

W ___ **Negative Exponent worksheet**

W ___ **Scientific notation worksheet (use calculator)**

Section P.2 (pg. 17)

Th ___ Exercise problems: 3,7,9,21,25,29,61,73,77,85,87,99,**107,111,113, 115, 119, 121, 123 & 125**

Th ___ Review for Quiz: Pg. 80 problems **1-7 odd, 8, 13-18 all, 22, 26, 28-31all, 36 & 37**

F ___ **Quiz on section P.1 & P.2** (has 5 vocabulary words)

Week 3: 8/8-8/12 (bell work on factoring and slope, parallel and perpendicular)

Section P.3 (pg 31)

M ___ Check points 1 – 6, 8 & 9

M ___ Exercise problems: 3, 5, 13, 21, 25, 37, 43, 45, 47, 55, 57, 61, 65, 67, 71, 73, 77, 79, 81, 125, 126, 134 & 135

Section P.3 (pg. 31)

T ___ Check-point 7, 10 - 13

T ___ Exercise problems: 49, 51, 53, 55, 83, 87, **89, 91, 93, 97, 99, 101, 105, 107, 109, 111, 113, 115, 119, & 128**

Section P.4 (pg. 45)

W ___ Check-point 1-8 all

W ___ Exercise problems: 1,3,5,7,11,13,15,25,37,43,57,65,77,83,89 91,95 97,99,107,109,111&112

W ___ Pg. 56 Mid-Chapter check point: 1 – 31 odd, 24 & 26

Th ___ Mid-Chapter Quiz (Wednesday 10:28)

Section P.5 (pg 57)

T ___ Exercise problems: 3, 5, 7 9, 11, 13, 15, 17, 19, 25, 27, 33, 37, 39, 43, 47, 51 & 55

Week 4: 8/15-8/19 (bell work writing linear equations: horizontal, vertical and review forms; x and y intercepts)

Section P.5 (pg 57)

M__ Check-point 8 – 12 (factoring patterns)

M__ Worksheet on factoring cubes

M__ Exercise problems: 57, 59, 61, 63, 65, 67, 71, 79, 81, 85, 91, 93, 95, 97, 99, 101, 103, 111, 115, 117, 119 & 127

Section P.6 (pg. 68) - fractions

T__ Check-point 1 – 10

T__ Exercise problems: 3,5,11,13,17,19,25,29,31,33,37,53,57,59,61,67,69,71,73,77,79,81
89&91

W__ Review for Test; get review from Teacher

Th__ Chapter P Test

Th__ Graphing calculator worksheet with tables

Th__ Chapter 1 vocabulary

Chapter 1 – SHOW ALL WORK

Section 1.1 (pg. 84)

F__ Check-point 1 – 6

F__ Exercise problems: 11, 13, 19, 22, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 49, 53, 57, 61, 63, 71, 73, 75 & 77

***Week 5: 8/22-8/26 (need to make some worksheets for this week) Bell work on writing linear equations; 2.3 and 2.4**

Section 1.2 (pg. 94)

M__ Worksheet: Graphing Calculator lesson on intersection of graphs

M__ Lesson on solving equations using graphing calculator

M__ Worksheet: Using a graphing calculator to solve equations (**need to make this**)

M__ Lesson on conditional, identity and inconsistent

M__ Check-point 1 – 7

M__ Exercise problems: 17, 23, 29, 31, 43, 47, 49, 51, 55, 57, 59, 61, 63, 65, 67, 71, 75, 79 & 83

T__ bell work: (in groups) 85, 91, 95, 97, & 101

Section 1.3 (Pg. 108) – problem solving

T__ bell work: solving for a variable: pg 121: 63, 67, 71, 75 & 77

T__ Check-point 1 – 8

T__ Group work: doing word problems

T__ Exercise problems: 6, 14, 20, 22, 34, 40, 47, 53, 76, 78 & 80

W__ Review for Quiz; Pg. 180: 2,4,6,7,8,9,11,13, 18,22,30,31,32, 40,41,42,43, review example 4 on page 87

Th__ **Quiz on section 1.1, 1.2 & 1.3 (has 5 vocabulary words)**

Th__ Review solving quadratics: square root method, factoring and quadratic formula

Section 1.4 (pg. 123) imaginary numbers

F__ Check-point 1 -4

F__ Exercise problems: 1, 5, 9, 15, 19, 21, 23, 25, 27, 31, 35, 37, 41, 45, 47, 51, 55, 58, 61 & 70

***Week 6: 8/29-9/2 (bell work on meaning of terms in a linear equations and scatter plots)**

Section 1.5 (pg. 129)

M__ Check-point 1 – 10

M__ Lesson of the different ways to solve quadratic equations (factoring, square root, method and quadratic formula)

M__ Exercise problems: 1, 5, 9, 14, 15 – 27 EOO, 65 – 81 odd

T__ **Lesson on completing the square**

T__ **Worksheet on completing the square**

T___ Exercise problems: 47 – 63 EOO, 109 – 114 all, 134 & 144

W___ **Worksheet on solving with a graphing calculator**

W___ **Worksheet on solving quadratic equations: Review worksheet**

Th___ **Worksheet on writing quadratic equations given the solutions**

Th___ **Worksheet on Discriminates: How many solutions are there without solving (need to make this one)**

Th___ Mid-Chapter check point (pg 148): 3, 5, 7, 9, 12, 13, 16, 19, 20, 24, 25, 26, 27, 31, 34, 40, 42, 43, 44 & 45

F___ **Mid-Chapter Quiz**

Week 7: 9/6-9/9 (Bell work on linear regression)

M___ 9/5: no school

Section 1.6 (pg. 150)

T___ Check-points 1 – 9

T___ Exercise problems: 1, 3, 11, 15, 19, 23, 27, 31, 33, 35, 37, 39, 41, 47, 51, 53, 55, 57, 59, 61, 65, 69, 71, 77, 79, 81, 83, 91, 97, 103, 111 & 115

Section 1.7 (pg. 164)

W___ Lesson on interval notation and solving absolute inequalities (2 worksheets as a class)

W___ Check-points 1 - 10

W___ Worksheet inequalities and absolute value

Th___ Exercise problems: 15, 19, 21, 25, 39, 45, 51, 57, 81, 91, 95, 105, 109 & 130

Th___ Review for Chapter 1 – get review from Teacher

F___ Question on Review

F___ Linear regression quiz

Week 8: 9/12-9/16 (Bell work: 2.3 : 67, 71, 73, 75, 77, 79, 81, 83, 89, 91, 93, 95 & 107)

M___ Chapter 1 Test

M___ Chapter 2 Vocabulary

M___ Section 2.3: page 227: 3, 5, 9, 15, 21, 23, 29, 33, 35, 43, 51, 55, 59 & 65

Chapter 2 – SHOW ALL WORK

T___ Function worksheet: Domain and Range

Section 2.1 (pg 186) – start linear regression 1 and 2

T___ Check points 1 – 8

T___ Worksheet on Functions (homework)

T___ Exercise problems: 3, 7, 11, 13, 15, 19, 21, 23, 25, 29, 33, 35, 39, 43, 45, 47, 49, 51, 53, 55-64 all, 65, 67, 69, 71, 73, 75, 77, 81, 83, 89, 91, 93, 97, 99, 101, 105 & 121

Sections 2.2 (pg 202) – linear regression 3 and 4

W___ Lesson on functions: even, odd or neither

W___ Check points 1 – 4

W___ Exercise problems: 1, 7, 15, 17, 21, 23, 27, 29, 31, 33, 35, 37, 41, 43, 45, 49, 53, 55, 57, 59, 61, 63, 73, 77, 89, 105 & 111

Section 2.4 (pg 231)

Th___ Bell work do Check points 1 – 5

Th__ Exercise problems: 21, 23, 25, 27, 29, 31, 33, 37 & 43

Th__ Review for Mid-Chapter Quiz: pg 240; 1 – 45 odd

F__ Mid-Chapter Quiz

Week 9: 9/19-9/23 (bell work: Piece wise graphs)

M__ Domain and Range worksheet bell work

M__ Transformations

M__ Transformation worksheet

M__ piece wise graphs: worksheet

T__ Section 2.6 (pg 256): Check points 1 – 3

T__ Exercise problems: 1, 5, 9, 13, 17, 25, 27, 35, 39, 43, 81, 83, 84, 85, 97 & 99

W__ Section 2.6 (pg 256): Check points 4 – 6

W__ Exercises problems: 49, 53, 61, 69, 73, 75, 77, 79, 89, 91, 93, 105 & 107

Th__ Section 2.7 (pg 269): Check points 1 – 7

Th__ Exercise problems: 1,5,9,11,15,19,23,27,29,31,33,35,37,39,41,49,53,55,57,59,61,63,67 &
72

F__ Sections 2.8 (pg 280): Check points 1 – 6

F__ Exercise problems: 1, 5, 9, 13, 17, 21, 25, 29, 31, 35, 39, 43, 47, 51, 55, 59, 61, 63, 67 & 83

F__ Quiz on transformation

F__ Review for Chapter Test; get form teacher

Week 10: 9/26-9/30 (bell work review for final)

M__ questions on test review

M__ Chapter 2 test

M__ Long division worksheet

T__ Synthetic division worksheet

T__ Final review

W__ Final review

Th__ Final **9/29**