MAT 0020

Primary Text: Elementary Algebra, Carson & Gillespie

Secondary Texts: Algebra from a different Angle, Austin-Hill, Kendall/Hunt Publishing

Florida College BASIC SKILLS EXIT TEST, Pearson Custom Publishing

Student Success
Mathematics is not a spectator sport.

In order to learn mathematics, you need to *do* at least three things: **read the book, work out the problems, and get your questions answered**. Each of these things will be enhanced by working with your instructor and your peers.

Read the book before each class. No book will ever be a substitute for the valuable insights and interactions offered in your classroom, but you may find it helpful to briefly read over the sections listed in the syllabus beforehand. Complete a P.O.P. (**P**resent, **O**n-time, and **P**repared) card for each section.

Read the book after class and before you begin your homework. Read the assigned sections at a slow and deliberate pace, with pencil in hand, working out the examples as you read. Do not give up if you do not understand every single word. Things will become clearer as you continue working.

Work out the assigned problems at the end of each section (Go to CD). The only way to learn mathematics is by *doing* mathematics, which means by *solving problems.* You will never be successful in mathematics by simply reading, you must solve the homework problems. The more problems you work, the better you will get at solving problems in general. Check your answers as you work. If you discover an incorrect answer, go back and analyze the problem to see where you have made an error. Ask questions in class about the problems you do not understand.

Use the resources provided to get help and to get your questions answered. You will always have your instructor to answer questions and your regular class attendance may answer almost all of your questions. However, do not forget to use the many other resources available.

- On the CD there are chapter tests to help you review for tests.
- College-Prep Math Lab will be open to assist you with your class work and assignments (tutoring, worksheets, software, and videotapes)

SUGGESTED SYLLABUS - subject to change

Session #/Date	Description	Sections	
1. W 8/23	Introduction		*HOs ;mini-folder* *Set due date 1st POP Cards*
2. 8/24	Whole Numbers	10.1	**Time HO due**
3. M 8/28	Primes	10.2	*Study; Lrng;* **10.1, 10.2 PCs**
4. 8/29	Applications	9.1	*Vote "o/t pay"*
5. 8/30	Fractions	10.3	
6. 8/31	Applications	9.2	*Intro Writing Assignment*

7. **T 9/5**	**Test #1**; Decimals	10.4	**POP Cards 10.1-10.3, 9.1, 9.2 due in mini-folder**
8. 9/6	Estimation	10.5	*Intro E.A.; Due date Sample WA*
9. 9/7	Applications	9.3	
10. M 9/11	Ratios & Proportions	10.6	
11. 9/12	Percents	10.7	
12. 9/13	Applications	9.4	
13. 9/14	Applications	9.5	
14. **M 9/18**	**Test#2**, Basic Vocabulary, Integers	1.1	**POP Cards sets due 10.1-10.7; 9.1-9.5**
15. 9/19	Sums of Integers	1.2	*Distrib. Prog.Rep.; E.A. due date*
16. 9/20	Differences of Integers	1.3	*Give prompt WA #1*
17. 9/21	Products/Quotients of Integers	1.4	**Draft WA #1 due**
18. M 9/25	Exponential Notation - Rules I	1.5	Return draft
19. 9/26	Radical Notation I	1.6	
20. 9/27	Order of Operations I	1.7	
21. **R 9/28**	**Test #3**, Rational Numbers	2.1	**Draft/Revision WA#1 due**
22. M 10/2	Irrational Numbers	2.2	
23. 10/3	Properties of Real Numbers	2.3	
24. 10/4	Operations on Rational Numbers	2.4	

25. 10/5	Order of Operations II	2.5	
26. M 10/9	Scientific Notation	2.6	
27. **T 10/10**	**Test #4**; More Vocabulary	3.1	**POP Cards (C. 1, 2) due**
28. 10/11	Evaluating	3.2	*E.A. due date*
29. 10/12	Simplifying I -Removing Grouping Symbols	3.3	*Give prompt WA #2*
30. M 10/16	Simplifying II - Combining Like Terms	3.4	**Draft WA #2 due**
31. 10/17	Simplifying III	3.5	*Return draft*
32. **W 10/18**	**Test #5**; Solving Linear Equations I	4.1	**Draft/Revision WA #2 due**
33 10/19	Solving Linear Equations II	4.2	
34. M 10/23	Solving Equations III	4.3	
35. 10/24	Applications	9.6	*Give prompt WA #3*

36. 10/25	Solving Linear Inequalities - One Variable	4.4	**Draft WA #3 due**
37. 10/26	Graphs - Number Line	4.5	*Return draft*
38. **M 10/30**	**Test #6**; Linear Equations - Two Variables	5.1	**POP Cards (C. 3, 4) due, Draft/Revision WA #3 due**
39. 10/31	Graphs - Plane - TOV Method	5.2	*E.A. due date*
40. 11/1	Graphs - Plane - Intercepts Method	5.3	
41. 11/2	Graphs - Plane - Special Cases	5.4	
42. M 11/6	Graphs - Plane - S-I Method	5.5	
43. **T 11/7**	**Test #7**; Introduction - Polynomials I	6.1	**POP Cards (C. 5) due**
44. 11/8	Introduction - Polynomials II	6.2	
45. 11/9	Exponential Notation - Rules II	6.3	*Give prompt WA #4*
46. M 11/13	Multiplying by Monomials	6.4	**Draft WA #4 due**
47. 11/14	Multiplying by Binomials	6.5	*Return draft*
48. 11/15	Dividing by Monomials	6.6	
49. **R 11/16**	**Test #8**; Factoring - GCF	7.1	**POP Cards (C. 5, 6) due Draft/Revision WA #4 due**

50. M 11/20	Factoring - DOS	7.2	*E.A. due date*
51. 11/21	Factoring - Trinomials	7.3	
52. 11/22	Factoring - Grouping	7.4	
53. M 11/27	Factoring - "et al"	7.5	
54. **T 11/28**	**Test #9**; Introduction - Quadratic Equations	8.1	**POP Cards (C. 7) due**; *Give prompt WA #5*
55. 11/29	Solving Quadratic Equations - ZPR	8.2	
56. 11/30	Solving Quadratic Equations - Factoring	8.3	**Draft WA #5 due**
57. M 12/4	Radical Notation II (See 1.6)	8.5	*Return draft*
58. **T 12/5**	**Test #10**		**POP Cards (C. 7, 8) due, Draft/Revision WA #5 due**
59. 12/6	Review for Final		
60. 12/7	Review for Final		

The State Exit (Final) Exam is required of all college preparatory students. Students will **NOT** be allowed to use calculators on this exam. The second of the secondary texts will be used to review for the Final. As mandated by Florida Statute, students who do not successfully complete college preparatory course on their first attempt will pay the full cost of instruction (out-of-state) fees when they repeat the same course a third time. 04/06