### Algebra Chapter 12: Probability, Counting Principles, Data Analysis

### Math 613– Ms. Macadino: G Block

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| Assign #   when done | Date Due | Section | Reading | Written | Quizzes &  Tests |
| 1. | Weds,  Feb 4 | Ch. 11.8 | Factorials  p. 597-601 | p. 615 (#2 – 24 even) |  |
| 2. | Thurs  Feb 5 | Ch. 12.1 Ch. 12.2 | Intro to Prob. &Vocabulary  pp.632-635 | 12.1 p. 633 (#1 – 13)  12.2 p. 635 (#1, 2) |  |
| 3. | Fri  Feb 6 | Ch. 12.3 | Counting Principles  pp. 636-638 | p. 639-642 (#1 – 17a, odds)  Show your work |  |
|  | Tues  Feb 10 |  |  | SNOW DAY |  |
| 4. | Weds  Feb 11 | Ch. 12.4 | Permutations  pp. 642-645 | p. 646 (#1,3,6,8,11,13, 21ab)  Show your work |  |
| 5. | Thurs  Feb 12 | Ch. 12.5 | Prob. of various  Combinations  pp. 651-657 | p. 658 (1,3,7,11,17, 19, 23, 31)  Show your work |  |
| 6. | Fri  Feb 13 | Review  12.1 – 12.5 | Bring & go over written previous formulas | REVIEW Sheets  Study for quiz, Bring calculator | **QUIZ**  **12.1 – 12.5** |
| 7. |  | Ch. 12.6 | Properties of Probability  pp. 661-665 | p. 666-8 (#1 – 9) |  |
| 8. |  | Ch. 12.7 | Functions of Random Var.  pp. 671-673 | p. 674-6 (#1 – 9) |  |
| 9. |  | Ch. 12.8 | Mathematical  Expectation  Pp681-684 | p. 685-7 (#1 – 9) |  |
| 10. |  | Review | Bring calculator | REVIEW on Permutations, Combinations, Properties of probability, Math expectation  **Test on Chapter 12** | **TEST** |

**Remember to head your paper with your name, and the Assignment #, pages, & problems!**

**\*\* I may collect homework at each quiz or quest, so please keep it in a safe place.**

**\*\* CHECK YOUR ANSWERS since most of the problems are odd.**

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| 5. | Weds  Feb 11 | Ch. 12.5 | Prob. of various  Combinations  pp. 651-657 | p. 658 (1,3,7,11,17, 19, 23)  Show your work |  |
| 6. | Thurs  Feb 12 | Review  12.1 – 12.5 | Bring & go over written previous formulas | REVIEW on Permutations and Combinations and class work on problems p. 658-9 (20,22,27,31)  Study for quiz, Bring calculator | **QUIZ**  **12.1 – 12.5** |
| 7. | Weds  Feb 25 | Ch. 12.6 | Properties of Probability  pp. 661-665 | p. 666-8 (#1 – 9) |  |
| 8. | Thurs  Feb 26 | Ch. 12.7 | Functions of Random Var.  pp. 671-673 | p. 674-6 (#1 – 9) |  |
| 9. | Fri  Feb 27 | Ch. 12.8 | Mathematical  Expectation  Pp681-684 | p. 685-7 (#1 – 9) |  |
| 10. | Tues  March 3 | Review | Bring calculator | REVIEW on Permutations, Combinations, Properties of probability, Math expectation  **Test on Chapter 12** | **TEST** |

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