**Chapter 5 Outline - Probability**

**Homework**

(For help, check out glausermath.weebly.com)

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| **13 Monday***5.1a Probability basics*#3, 8, 9, 11 | **14 Tuesday***5.1b Simulations*#13, 15a, 19, 25 | **15 Wednesday***5.2a Rules of Probability* #27, 40, 45,  47, 57, 58 | **16 Thursday**Test 4 Corrections Due*5.2b Diagrams* #49, 51, 53,  55, 59-60**Parent Teacher Conferences**  | **17 Friday**POW #6 Due*5.3a Conditional, Independence, etc…* #63, 65, 67,  69, 77, 79 |
| **20****MLK DAY****No School** | **21***5.3b Conditional, Independence, etc…*  #83, 85, 89,  93, 95, 99 | **22***Review* | **23*****CH. 5 TEST*** | **24**POW #7 Due*6.1a* |

**Vocabulary**

**Chapter Objectives**

1. Understand the law of large numbers
2. Perform a simulation of a probability situation
3. Use the basic rules of probability to solve problems.
	* Complement Rule
	* Addition Rule
	* Multiplication Rule
4. Determine whether 2 events are independent
5. Describe the intersection and union of two events
6. Solve problems involving conditional probabilities
7. Use diagrams to find probabilities
	* Venn diagrams
	* Tree diagrams
	* Two-way tables
* Law of large numbers
* Probability
* Simulation
* Sample space
* Event
* Complement
* Mutually Exclusive (disjoint)
* Union
* Intersection
* Conditional Probability
* Independent