**Unit 1: Factoring and Graphing Quadratics**

**By the end of the unit students will be able to:**

1) Factor quadratic binomial, trinomial, and polynomials of 4 terms.

2) Solve quadratic equations by factoring.

3) Solve quadratic equations by graphing.

4) Graph quadratic functions using vertex, axis of symmetry, y-intercept, and zeros.

5) Use technology to solve quadratic equations and identify vertices.

6) Use properties of quadratics to answer application problems.

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| **Day** | **Date** |  **Lesson** | **Assignment** |
| 1 | Wed 01/25 | Introductions and ExpectationsReview Factoring: GCF, Grouping, Difference of Squares | Homework 1-1 |
| 2 | Thurs 01/26  | In Class Factoring | worksheet |
| 3 | Fri01/27  | Finish Review of Factoring: Trinomials**Quiz 1 on Days 1 and 2** | Homework 1-2 |
| 4 | Mon01/30 | Trinomials & Solve by Factoring | Homework 1-3,4 |
| 5 | Tues01/31  | Solve by Factoring | Homework 1-5 |
| 6 | Wed02/01  | Practice / Minor Assessment |  |
| 7 | Thurs02/02 | Review for Unit 1 Test  | Review Sheet |
| 8 | Fri02/03 | Unit 1 Test |  |