Advanced Algebra

What are we learning in Unit 5 – Quadratics?

Self-Ratings:

1: I've never seen this topic and wouldn't even know how to begin.

2: I've heard or seen this before, but don't know how to start or complete the problem.

3: I know the topic and can work through the problem but am unsure whether I am correct.

4: I feel confident that I could present my work and solution to the class.

5: I feel that I could correctly teach this topic to another student if asked. Pre-Unit Mid-Unit Post-Unit

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| **Target** | **Examples** | **Date:** | **Date:** | **Date:** |
| **5A.** Add, subtract and multiply complex numbers | Simplify: |  |  |  |
| **5B.** Solve quadratic equations graphically and algebraically. | Solve: |  |  |  |
| **5C.** Use the discriminant to determine the number and type of roots and verify by graphing. | Determine the number and type of roots: |  |  |  |
| **5D.** Solve quadratic equations with complex solutions. | Solve: |  |  |  |
| **5E.** Write a quadratic equation in  form. | Given the roots, write the quadratic in the form .   1. and 2. and |  |  |  |
| **5F.** Solve quadratic inequalities graphically and algebraically. | Solve: |  |  |  |