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| Name:<br>Woods     |        | Grading Quarter:<br>2  | Week Beginning:<br>10/28/24   |
| School Year: 24-25 |        | Subject: Algebra 2   |   |
| Monday             | Notes: | <p>Objective: Students will be able to solve quadratic equations by factoring.</p> <p>Lesson Overview:<br/>Learn several different factoring techniques for quadratics, including difference of squares, perfect square trinomials, and factoring by grouping. When factoring is not possible, introduce the idea that we will eventually use a formula.</p> | Academic Standards:<br>N.CN.7 Use complex numbers in polynomial identities and equations. Solve quadratic equations with real coefficients that have complex solutions. |
| Tuesday            | Notes: | <p>Objective: Students will be able to solve quadratic equations by factoring.</p> <p>Lesson Overview:<br/><i>This is a continuation of previous day's lesson</i><br/>Practice problems with a partner.</p>  | Academic Standards:<br>N.CN.7 Use complex numbers in polynomial identities and equations. Solve quadratic equations with real coefficients that have complex solutions. |
| Wednesday          | Notes: | <p>Objective: Students will be able to solve quadratics with the formula.</p> <p>Lesson Overview:<br/>Learn the quadratic formula and song. Discuss when imaginary numbers will result from the discriminant. Tie to how many solutions a quadratic has.</p>   | Academic Standards:<br>N.CN.7 Use complex numbers in polynomial identities and equations. Solve quadratic equations with real coefficients that have complex solutions. |
| Thursday           | Notes: | <p>Objective: Students will be able to solve quadratics with the formula.</p> <p>Lesson Overview:<br/><i>This is a continuation of previous day's lesson</i><br/>Practice problems with a partner.</p>   | Academic Standards:<br>N.CN.7 Use complex numbers in polynomial identities and equations. Solve quadratic equations with real coefficients that have complex solutions. |
| Friday             | Notes: | <p>Objective: Students will be able to solve quadratic equations by factoring.</p> <p>Lesson Overview:<br/>Khan Academy independent practice</p>   | Academic Standards:<br>N.CN.7 Use complex numbers in polynomial identities and equations. Solve quadratic equations with real coefficients that have complex solutions. |