**Unit 3 Quadratic Functions**

At the end of the unit students will be able to:

* determine the zeros and the maximum or minimum of a quadratic function, and solve problems involving quadratic functions, including problems arising from real-world applications

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| **Date** | **Topic** | **Learning Goals:****By the end of today I will be able to…** | **Practise** |
| Thurs. Oct. 2 | 3.1 Properties of Quad. Functions | Represent Quad Functions in different forms | p. 138 #4 – 7p. 145 #1 – 8, 9ac, 10 |
| Fri. Oct. 3 | 3.2 Max/Min Values of Quad Functions | Find the max/min value using different strategies | p. 153 #3, 4ace, 5ac, 7ac,8, 11 |
| Mon. Oct. 6 | 3.3 Inverse of Quadratic Functions | Determine how to find the inverse of a Quad Func. | p. 160 #1 – 5, 7, 9, 13 [17] |
| Tues. Oct 7 | 3.4 Operations with Radicals | To simplify and perform operations on mixed and entire radicals | p. 167 #1 –7ace, 8–10, 12 [15–17] |
| Wed. Oct. 8 | **Quiz**Group Work |  |  |
| Thurs. Oct. 9 | 3.5 Solving Quadratic Equations | Use different strategies to solve Quad Problems | p. 177 #1ac, 2ac, 4ace, 5, 6ac, 9, 10, 13 |
| Fri. Oct. 10 | 3.6 Zeros of Quadratic Functions | Use different strategies to determine the zeros | p. 185 #1bde, 3ac, 4ac, 6, 7 [14,17,18] |
| Mon. Oct. 13 | THANKSGIVING |  |  |
| Tues. Oct. 14 | Applications of Quadratic Equations | Solve problems involving Quadratic Eqns | Worksheet |
| Wed. Oct. 15 | 3.7 Families of Quadratic Functions | Understand the properties of families of Quad Fns | p. 192 #1 – 3, 4ac, 5ac, 6, 8, 10 |
| Thurs. Oct. 16 | **Quiz**3.8 Linear-Quadratic Systems | Solve problems involving the intersection of Linear and Quadratic Functions | p. 198 #1c, 2ac, 3, 4ab, 5 – 8 [11] |
| Fri. Oct. 17 | Review |  | p. 202 #1 – 12, 13 – 17, 19 – 23p. 204 |
| Mon. Oct. 20 | **UNIT TEST** |  | p. 212 #1 – 10(If any of these understandings are missing, get help ASAP!) |

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