

By the end of this unit students should be able to:

- solve quadratic equations, and relate the roots of a quadratic equation to the corresponding graph.
- demonstrate an understanding of functions, and make connections between the numeric, graphical, and algebraic representations of quadratic functions
- solve problems involving quadratic functions, including problems arising from real-world applications.

Day	Date	Topic	Homework Practice
25	Tues. Oct. 8	Correct Review Begin 3.2 Standard & Factored Forms	Study for tomorrow's Summative pp. 139-142 # 2bd, 3cd, 4bde, 5be, 6, 7cde, 12bcd, 14 READ pp. 153-154
26	Wed. Oct. 9	UNIT 2 SUMMATIVE	
27	Thurs. Oct. 10	3.3 Solving Quadratic Equations by Graphing (Part 1)	READ p. 154 pp. 149-151 # 1b, 4ace, 11, 13 p. 155 #1, 2, 3ad, 5a, 6a, 7
28	Fri. Oct. 11	3.4 Solving Quadratic Equations by Factoring (Part 2)	pp. 161-163 # 1cd, 2, 3ac, 4def, 5f, 6de, 9, 11, 13
	Mon. Oct. 14	☺ Thanksgiving Day ☺	
29	Tues. Oct. 15 [Interim Reports]	3.5 Solving Problems Involving Quadratic Functions	pp. 168-169 # 1, 2, 4, 9, 10
30	Wed. Oct. 16	SWYK 3.1 3.6 Creating a Quadratic Model (from data)	pp. 176-179 #1a, 3b, 4c, 7, 10 READ p. 181 Work Ahead on the Review
31	Thurs. Oct. 17 [Parents' Night]	Review 1	pp. 182-183 # 1 – 4, 6 – 8 p. 184 # 1 – 8 [9, 10] pp. 186-188 # 1 – 15
32	Fri. Oct. 18	Correct Review 1&2	pp. 186-188 # 1 – 15
33	Mon. Oct. 21	4.1 The Vertex Form of a Quadratic Function	p. 232 # 2def, 4 pp. 203-205 # 1 – 4, 8 – 10 (p.204 #8a, correct Answer: $a=-1/3$)
34	Tues. Oct. 22	UNIT 3 SUMMATIVE	
35	Wed. Oct. 23	Ch 4 Quadratic Models Standard & Vertex Forms 4.3 Solving Quadratic Equations Using the Quadratic Formula $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$	pp. 222-223 # 1bcd, 3, 6, 8
36	Thurs. Oct. 24	4.4 Investigating the Nature of the Roots	pp. 232-233 # 1ac, 2abc, 5, 7, 8a, 11 Work ahead on Mid-chapter Review p. 226 # 8 – 11
	Fri. Oct. 25 [Commencement]	P.D. Day	
37	Mon. Oct. 28	SWYK 4.1 (Quadratic Formula) 4.2 Relating Standard & Vertex Forms: Completing the Square	p. 194 # 6 p. 214 # 4, 6a-e, 7a-e, 8 READ p. 225 Work ahead on Mid-chapter Review p. 226 # 1 – 4