

## Unit 3: Polynomials

Day 1 Thurs 3/5	More Solving by Factoring and quadratic formula Writing Quadratic Equations <ul style="list-style-type: none"> <li>sum &amp; product of roots (be sure to add complex number solutions, including conjugate pairs)</li> </ul>	<b>Warm up - MVP book p.25-26 #1-6</b>	p.196 #1-19 odd p.342 #7-23 odd
Day 2 Fri 3/6	4.5 – Factoring higher degree Polynomials – more grouping, sum & diff of cubes	<b>Warm up - MVP book p.46 #19-28</b>	Factoring WS
Day 3 Tues 3/10	4.7 – Solving higher degree Polynomials	<b>MVP book p.27-29 #7-18, 30-32 #5-17</b>	p.197 #25-31 odd, 39-49 odd
Day 4 Wed 3/11	Graphing Polynomial Functions <ul style="list-style-type: none"> <li>roots (include multiplicity)</li> <li>y-intercept</li> <li>end behaviors</li> </ul> Practice 4.7 – Scavenger Hunt	9.2 Graphs of Polynomial Functions WS  Warm Up Review	Warm Up review WS!!!
Day 5 Thurs 3/12	<b>QUIZ Days 1-4</b> 4.9 – Polynomial Inequalities	p.204-205 #2-22 eoe, 24-28 even, 32	p.204-205 #1-33 (odd)
Day 6 Fri 3/13	8.3 – Dividing Polynomials <ul style="list-style-type: none"> <li>Divide polynomials using long division</li> </ul> 8.4 – Synthetic Division <ul style="list-style-type: none"> <li>Divide polynomials using synthetic division</li> </ul>	<b>MVP book p.18-20 p. 21-22 practice</b>	p. 366: 13,15,17,31,33 p.370: 1-13 (o),23
Day 7 Mon 3/16	8.5 – The Remainder & Factor Theorems 8.6 – Some Useful Theorems <ul style="list-style-type: none"> <li>Solve a polynomial given a root - real &amp; imaginary roots</li> <li>Write equations of polynomials given roots</li> <li>Be able to show the number of times a number is a root of the polynomial</li> </ul>	<b>MVP book p.34,35 #3-10</b>  WU - 8.5 Remainder & Factor Theorem WS	p. 375: 1-13 (EOO), 17-37 (o) p.367: 30,32 p.370: 24
Day 8 Tues 3/17	8.6 – Some Useful Theorems 8.7 – Rational Root Theorem - INVESTIGATION	<b>Warm up - MVP book p.42-43</b>	p.380: 1-11 (o), 21 p.384: 8,10,12 Oral Exercises – list possible rational roots and solve!
Day 9 Wed 3/18	8.7 – Rational Root Theorem <ul style="list-style-type: none"> <li>More Practice with Rational Root Theorem</li> </ul>	<b>Warm up - MVP book p.45 MVP book p.47-48 #1-3 MVP book p.51-53 #10-15, 18-20, p.54 #18-20</b>	Polynomial Functions Review WS #1-15 <b>MVP book p.49 #4 and 5</b>
Day 10 Thurs 3/19	Review	<b>MVP book p.47 #6 and 7</b> Ch. 8 Review Sheet to complete & discuss	Finish ALL Review materials and STUDY!! 😊
Day 11 Fri 3/20	<b><u>Unit 3 –TEST</u></b>		TBD