**Math III Unit 3 – Polynomials** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Date** | **Topic** | **Material Assigned in Khan Academy**  |
| **A Day** | **B Day** |
| Fri 10.27 | Mon 10.30 | Day 1 – Intro to Polynomials | End Behavior of PolynomialsIncreasing and Decreasing Intervals |
| Weds 11.1 | Thurs 11.2 | Day 2 – Zero/Factor Connection | Zeros of Polynomials and Their Graphs (article) |
| Fri 11.3 | Mon 11.6 | Day 3 – **Quiz**Review Solving Quadratics | Solving Quadratics By FactoringAlso: worksheet |
| Tues 11.7 | Weds 11.8 | Day 4 – Division of PolynomialsRemainder Theorem | Divide Polynomials with Remainders |
| Thurs 11.9 | Mon 11.13 | Day 5 – Solving Polynomials | Zeros of Polynomials and Their Graphs (practice) |
| Tues 11.14 | Weds 11.15 | Day 6 – **Quiz** |  |
| Thurs 11.16 | Fri 11.17 | Day 7 – Modelling/Rates of Change | worksheet  |
| Mon 11.20 | Tues 11.21 | Day 8 – **Graded Activity** | Review Sheet |
| Mon 11.27 | Tues 11.28 | Day 9 – Review | Review Sheet |
| Wed 11.29 | Thurs 11.30 | Day 10 – **TEST UNIT 2** |  |

UNIT GOAL: Students will extend their understanding of polynomial functions beyond linear and quadratic. Students will investigate relationships between degree, factors and zeros of all polynomial functions. Students will develop a relationship between the factors of a polynomial and division of polynomial expressions.