SECONDARY MATH 3

**CORE STANDARDS**

A.APR.4

N.CN.8

LESSON

**1-3**

OBJECTIVE **1.** I can use polynomial identities to describe numerical relations.

NOTES

|  |  |
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| Polynomial Identities | Examples |
| Perfect Square Trinomial |  |
| Difference of Squares |  |
| Cubic Polynomials |  |
| Sum and Difference of Cubes |  |
| Trinomial Leading Coefficient 1 |  |
| Quadratic Formula  Given |  |
| Sum of Squares |  |

PRACTICE **1-3** NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[SHOW YOUR WORK]

Multiply using polynomial identities

Factor the expressions using the polynomial Identities

Use the quadratic formula to sole each equation.

Factor each expression over the complex numbers.