Unit Learner Outcomes

Lower Level Thinking (Application, Comprehension, Memory/recall)

Add and subtract polynomials

Multiple two polynomials

Use polynomial multiplication in real-life situations

Use special product patterns for the product of a sum and a difference and for the square of a binomial

Solve a polynomial equation in factored form

Factor a quadratic expression of the form x2 + bx + c

Factor a quadratic expression of ax2 +bx + c

Solve quadratic equations by factoring

Use the distributive property to factor a polynomial

Solve polynomial equations by factoring

Higher level thinking (Evaluation, Synthesis, Analysis)

Relate factors and x-intercepts

Use special products as real-life models

Use special product patterns to factor quadratic polynomials

Use polynomials to model real-life situations

Chiarelott 2006, p.60

Ohio Academic Content Standards Covered:8-10
NUM F,H
PATT B,C,D

PROCESS A, B, D
MEASURE E

DATA F, I, J