



Math Virtual Learning

Algebra 2A

Practice Multiplying Binomials

April 10, 2020



Lesson:

Practice Multiplying Binomials and Learning Box Method

Learning Target:

LT D1 I can add, subtract, and multiply polynomials.

Objective:

Students will be able to multiply binomials with both the FOIL and Box method.

Bellwork

Evaluate the expressions.

1. $(-2x^4 + 5x^3 - 18x) - (6x^3 - 15x^2 + 7x + 4)$
2. $3(7x - 12)$
3. $(9x + 2)(-5x + 6)$ (multiply using the FIOIL method)

Bell Work Answer Key

1. $-2x^4 - x^3 + 15x^2 - 7x - 22$

2. $21x - 36$

3. $-4x^2 + 44x + 12$

Lesson

Watch the video below on how to multiply binomials using the box method.

[Multiplying Binomials Easy Shortcut-Box Method!](#)

Things to remember:

1. Keep negatives and subtractions with their terms when using the box method.
2. It does not matter which side of the box the binomials are written on.
3. When you are writing your answer, you must check for like terms that can be combined.

Practice. Multiply each set of binomials below using the box method.

1. $(x + 5)(3x - 1)$

2. $(2x - 1)(x - 3)$

3. $(x + y)(x + y)$

4. $(3x - y)(x + 2y)$

Answers:

1. $3x^2 + 14x - 5$

2. $2x^2 - 7x + 3$

3. $x^2 + 2xy + y^2$

4. $3x^2 + 5xy - 2y^2$



Additional Practice:

[Khan Academy](#)

[Kuta: Multiplying Binomials](#)