1-3 Factoring Polynomials

Objectives:

1-3a: I can factor difference of squares binomials.
1-3b: I can factor expressions using multiple factoring methods.
Review 1-1c: I can solve equations using factoring

May 31-3:15 PM

Factoring Methods

1. GCF -
2. Riddle -
3. Grouping -
4. Riddle & Grouping -

Dec 27-4:04 PM

Completely factor the quadratic expression.

What two methods would apply here?

$$2x^3 + 9x^2 + 4x$$

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Completely factor the quadratic expression.

$$x^3 + 6x^2 + 9x$$

Factor each.

$-2x^2 - 14x + 20$

$-3x^2 - 2x - 8$

Hint: Always factor out a negative GCF if it is on the first term.

Jun 6-9:15 AM

Solve by factoring

$$4m^2 - 10m + 4 = 0$$

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Solve by factoring

$$2n^2 + 5n + 7 = 5$$

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Hmmm...now what?

$x^2 - 4$ $4x^2 - 9$

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Solve by factoring

$x^2 - 4 = 0$ $4x^2 - 9 = 0$

Jun 6-9:21 AM