Feb. 10 Lesson

Monday: Warmup w/ review of monomial operations such as from handout last page # 22-24 to do together.

NOTES to start section 7.1 given using the dynamic classroom example #4 video start and stop --- adding and subtracting polynomial expressions.

- -review with adding like terms
- -adding polynomial
- Discuss terminomolgy with it
- Subtracting means distribute all

Follow up with the self assessments online to plug in final answers after on paper.

Section 7.1: Adding and Subtracting Polynomials

Common Core State Standards: A.SSE.A.1a, A.APR.A.1
Learning Target: Add and subtract polynomials.
Success Criteria

- Classify polynomials.
- Add and subtract polynomials.
- Model real-life situations using sums and differences of polynomials.

Vocabulary: monomial, degree of a monomial, polynomial, binomial, trinomial, degree of a polynomial, standard form, leading coefficient, closed

Example 1 **Simplify** $6x + 5 - 3x - 4$.

$$\begin{aligned} 6x + 5 - 3x - 4 &= 6x - 3x + 5 - 4 \\ &= (6 - 3)x + 5 - 4 \\ &= 3x + 1 \end{aligned}$$

Find the sum.

a. $(2x^3 - 5x^2 + x) + (2x^2 + x^3 - 1)$

Find $(4n^2 + 5) - (-2n^2 + 2n - 4)$.

SOLUTION

Vertical format: Align like terms vertically and subtract.

$$\begin{array}{rrrr} & 4n^2 & & +5 \\ -\ (-2n^2 & +2n & -4) & \end{array} \quad \longrightarrow \quad \begin{array}{rrrr} & 4n^2 & & +5 \\ +\ & 2n^2 & -2n & +4 \\ \hline & 6n^2 & -2n & +9 \end{array}$$

► The difference is $6n^2 - 2n + 9$.

Tuesday thru Friday: Feb 11-14 Lesson Plan Overview

Tuesday: Work on problems from **soft** practice book pg. **121 # 7-18**

Wednesday: Continue work on soft practice book and then progress to **online** practice in dynamic classroom 7.1 section problems **# 19-33 odds** only so they can check their work.

Thursday: Continue practice **online** with **evens # 20-34.**

Friday: **Quiz on section 7.1** using online assignment with handout of it also to grade the “between” work.