Algebra 1 8.3

Multiply binomials using EWE

Multiply polynomials using EWE

distributive property

EWE

(FOIL = FAIL)

quadratic

standard form

X-factor

triangle puzzle (if time)

Whiteboards

Example 2 FOIL Method

Find each product.

a. $(2y - 7)(3y + 5)$

b. $(4a - 5)(2a - 9)$

GuidedPractice

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

2B. $(4b - 5)(3b + 2)$

2C. $(2y - 5)(y - 6)$

2D. $(5a + 2)(3a - 4)$

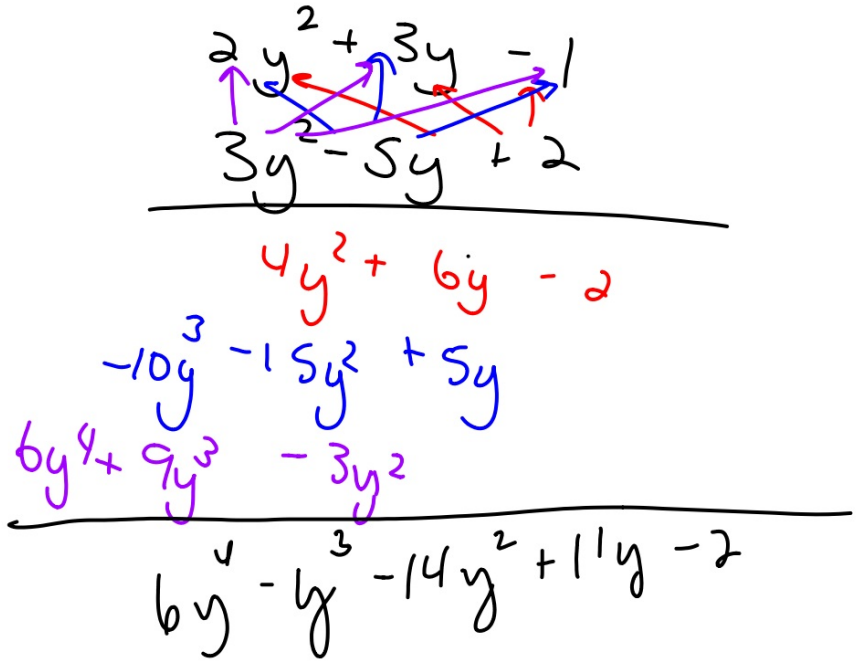
Example 4 The Distributive Property

Find each product.

a. $(6x + 5)(2x^2 - 3x - 5)$

- ✓ Matching activity
- ✓ Triangle puzzle

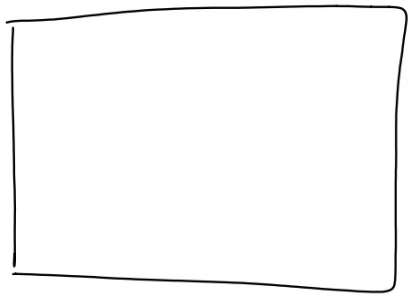
b. $(2y^2 + 3y - 1)(3y^2 - 5y + 2)$



GuidedPractice

4A. $(3x - 5)(2x^2 + 7x - 8)$

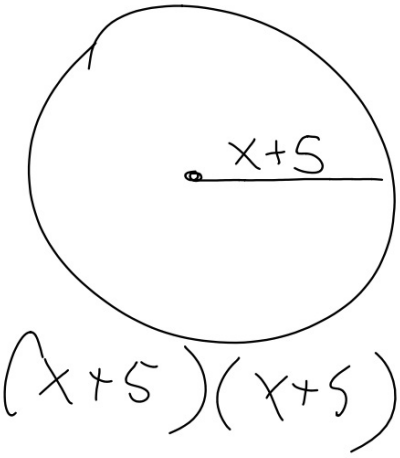
4B. $(m^2 + 2m - 3)(4m^2 - 7m + 5)$



$2x-6$

$x+5$

Gema



$(x+5)(x+5)$

$A = \pi r^2$

$= \pi (x+5)^2$

$= \pi (x^2 + 10x + 25)$

$= \pi \cdot x^2 + 10\pi \cdot x + 25\pi$

$$\begin{array}{r} x+5 \\ x+5 \\ \hline 5x+25 \\ x^2\ 5x \end{array}$$