

Chapter 5 Review – Polynomials

Example 1. Given the polynomial $5x^2 - 4x + 7$, list the following:

Coefficients:

Constant term:

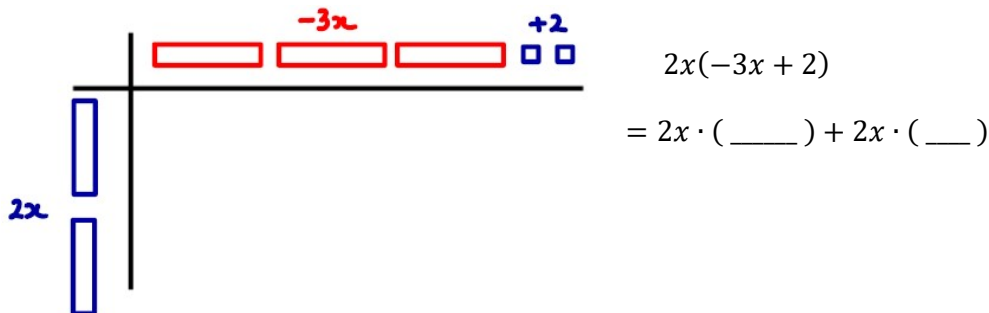
Degree:

Example 2. Simplify the polynomial $2k^2 - k + 3k^2 - 5 + 2k + 3$ by rearranging and collecting like terms.

Example 3. Add the following using algebra tiles: $(x^2 + 4x - 3) + (2x^2 - 3x + 2)$.

Example 4. Simplify: $(7x^2 - 8x + 9) - (-x^2 + 5x - 15)$.

Example 5. Multiply the following using algebra tiles: $2x(-3x + 2)$.



Example 6. Simplify: $\frac{-20xy + 24x^2}{-4x}$

Example 7. Determine a polynomial to represent the area of the gray region.

