

SM3-A VOCAB 4-1 (Add/subtract Rational Expression)

Like Terms: numbers that can be combined with addition or subtraction.

Like variables: Multiples of the same variable $(2x) + 3y + (4x)$

Like powers: same 'base' and same exponent. $(x^2) + y^2 + x^3 + (3x^2)$

Like radicals: same 'radicand' and same index number. $(\sqrt{2}) + \sqrt{3} + (3\sqrt{2})$

Like fractions: same denominator. $(\frac{2}{3}), (\frac{4}{3}), \frac{3}{4}$

Least Common Multiple: The smallest number that two other numbers divide evenly.

Used for obtaining Least Common Denominators:

rational number can be written as a ratio of integers. $\frac{2}{5}, \frac{3}{1}$

rational expression a ratio of expressions. We are interested in ratios of polynomials. $\frac{x}{(x+1)}$

Excluded Value: the value for 'x' that results in division by zero $\frac{x}{(x+1)}, x \neq -1$