Any time you add or subtract with fractions you must have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ex: add these polynomials:

Adding polynomials is a fancy way of saying \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ex: Add these rational expressions and simplify your answer:

What do you do if the denominators are not common?

Ex:

Ex: Add the rational expressions

What is a LCD? What does it mean?

Find the least common denominator for this sum

## Finding the Least Common Multiple/Least Common Denominator:

Find the LCD/LCM for:

1. 15,12 b) 108,75 c) d)

How do we find the LCD/LCM?

Add or subtract the following:

1. 6.2.30
2. 6.2.40
3. 6.2.42
4. ~6.2.38
5. 6.2.64

Ex: Consider the function

1. Find the simplified form and list all restrictions on the domain.
2. Find

Things to remember:

* The LCM is the same as the LCD.
* How to find the LCM/LCD
* In order to add fractions you must have a common denominator.
* Magic One’s
* Reduce your answer
* Don’t multiply polynomial factors unless you have to.