November 16, 2015

* No Class Friday
* No Quiz this week
* Exam #3 ??

Nov 16-9:03 AM

GCF: the largest number that divides your numbers/variables.

vs.

LCD: the least (smallest) number that your numbers/variables divides into.

Nov 16-9:12 AM

$\frac{7}{15xy^2} - \frac{11}{20x^2} = \frac{7(4x) - 11(3y^2)}{60x^2y^2} = \frac{28x - 33y^2}{60x^2y^2}$

$\frac{x^2}{x} = x$

$15xy^2 = 3 \cdot 5 \cdot x \cdot y \cdot y$

$20x^2 = 2 \cdot 2 \cdot 5 \cdot x \cdot x$

LCD: $3 \cdot 5 \cdot 2 \cdot 2 = 15 \cdot 2 \cdot 2 = 30 \cdot 2 = 60$

$\cdot x^2 \cdot y^2$

Nov 16-9:09 AM

$\frac{5}{x} + \frac{7}{x^2} = \frac{5(x) + 7}{x^2} = \frac{5x + 7}{x^2}$

LCD: x^2

Nov 16-9:34 AM

$\frac{6x}{3} + \frac{7}{15x+3} = \frac{6x(5x+1) + 7}{\text{LCD} = 3(5x+1)}$

Common

Factor $3(5x+1)$

$= \frac{30x^2 + 6x + 7}{3(5x+1)}$

$\frac{6x}{3} \cdot \frac{(5x+1)}{(5x+1)} = \frac{6x(5x+1)}{3(5x+1)}$

$30x^2 + 6x + 7 \quad ac = 210$

$b = 6$

$+ \quad +$

$? \quad ?$

R.P.

Nov 16-9:36 AM

Handouts → Kutasoftware.com

Nov 16-9:45 AM