

Algebra 2      8.2

Determine the LCM of polynomials

Add and subtract rational expressions

LCM

denominator

numerator

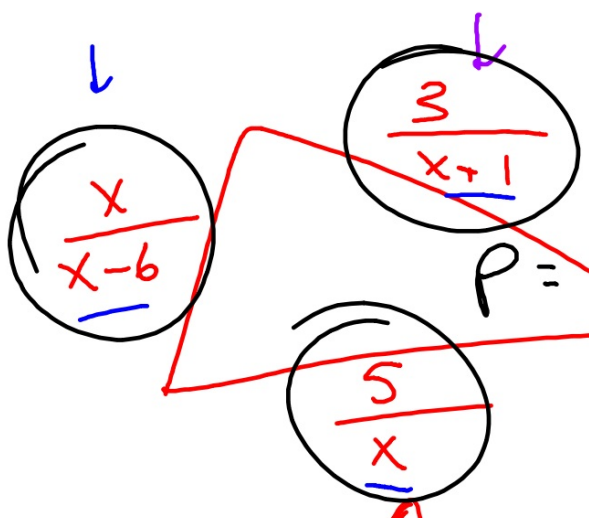
complex fraction

whiteboards

Easter eggs

$$\begin{array}{r}
 \frac{5a^3}{5a^3} \cdot \frac{3a^2}{16b^2} - \frac{8x}{5a^3b} \cdot \frac{16b}{16b} \\
 \frac{15a^5}{80a^3b^2} - \frac{128bx}{80a^3b^2} \\
 \hline
 \frac{15a^5 - 128bx}{80a^3b^2}
 \end{array}$$

Clarifying questions?



$$P = \frac{x^2(x+1)}{x(x+1)x} + \frac{3x^2 - 18x}{3x(x-6)}$$

$$+ \frac{5(x^2 - 5x - 6)}{5(x-6)(x+1)}$$

$$= \frac{x^2(x+1)}{x(x-6)(x+1)} + \frac{3x^2 - 18x}{x(x-6)(x+1)} + \frac{5(x^2 - 5x - 6)}{x(x-6)(x+1)}$$

~~$$\frac{x^3 + x^2 + 3x^2 - 18x + 5x^2 - 25x - 30}{x(x-6)(x+1)}$$~~

$$= \frac{x^3 + 9x^2 - 43x - 30}{x(x-6)(x+1)}$$