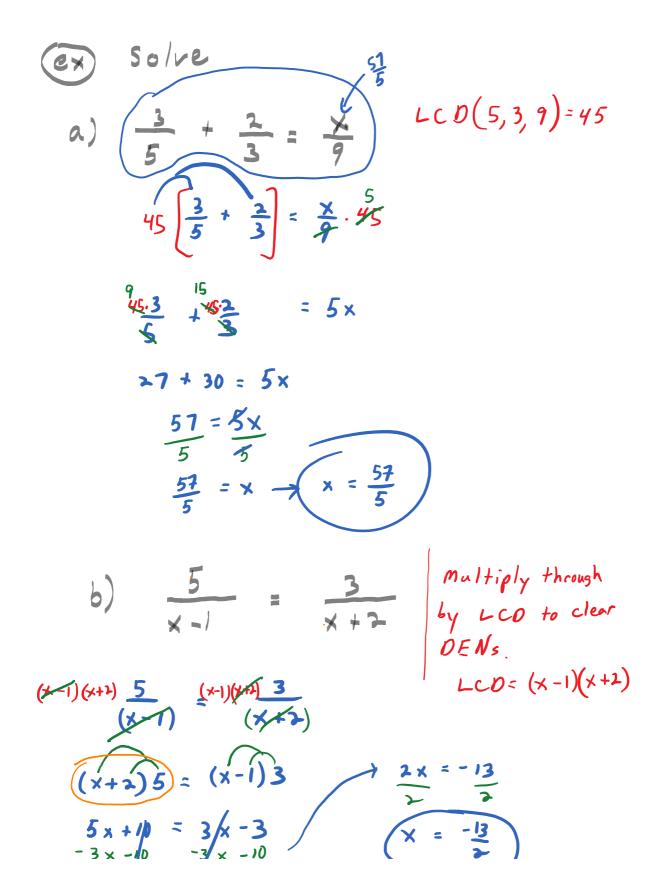
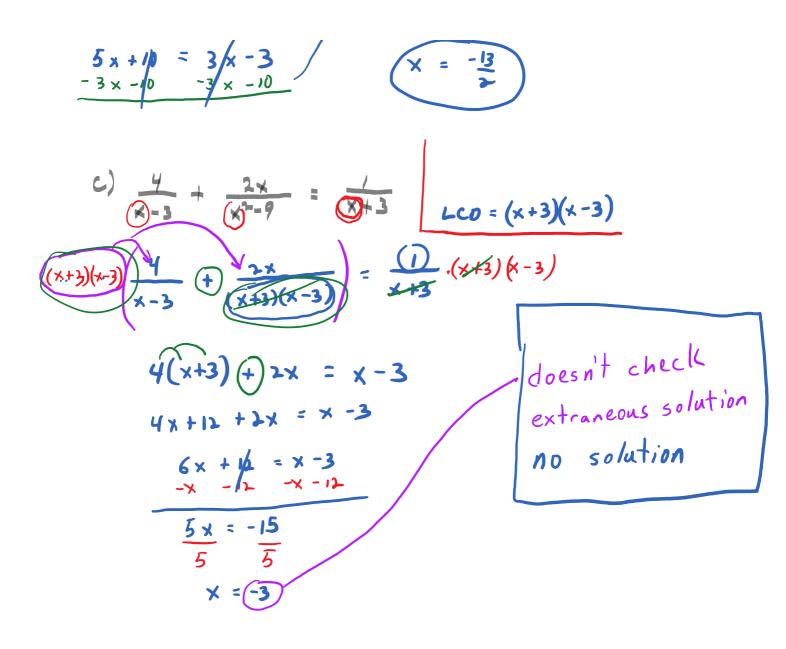
Solving Rational Equations



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d)
$$\frac{3}{x^2 - 6x + 9} + \frac{x - 2}{3x - 9} = \frac{x}{2x - 6}$$

$$\frac{(x-3)^{2}}{(x-3)^{2}} + \frac{y(x-2)}{z(x-3)^{2}} = \frac{(x-3)^{2}}{z(x-3)^{2}} + \frac{(x-3)^{2}}{z(x-3)^{2}} = \frac{(x-3)^{2}}{z(x-3)^{2}} + \frac{(x-3)^{2}}{z(x-3)^{2}} = \frac{(x-3)^{2}}{(x-3)^{2}} + \frac{(x-3)^{2}}{(x-3)^{2}} = \frac{(x-3)^{2}}{3x^{2}-9x} + \frac{(x-3)^{2}}{(x-3)^{2}} = \frac{(x-3)^{2}}{3x^{2}-9x} + \frac{(x-3)^{2}}{(x-3)^{2}} = \frac{(x-3)^{2}}{2x^{2}} + \frac{(x-3)^{2}}{(x-3)^{2}} = \frac{(x-3)^{2}}{(x-3)^{2}}$$