Writing equivalent rational expressions:
(express w/ new denominator)

\[ \frac{7}{5p^2} = \frac{1}{20p^2} \quad \frac{1}{8xy} = \frac{1}{16x^2y^2} \]

\[ \frac{5b}{b-3} = \frac{b^2-9}{b-3} \]

* Adding and Subtracting w/ rationals:

1) Factor denominators completely
2) Find LCD
3) Express each one w/ LCD as denominator
4) Follow rules for add/subt fractions
5) Simplify

\[ \frac{4}{5y} + \frac{1}{3y^3} \quad \frac{2x+3}{x^2+x-2} - \frac{5}{3x-3} \]

\[ \frac{a^2+a+2y}{a^2-9} + \frac{5}{a+3} \]