$$\frac{9x^{2}-4}{3x^{2}-7x+6}= \frac{\left(3x+2\right)\left(3x-2\right)}{\frac{\left(3x-9\right)\left(3x+2\right)}{3}}=\frac{\left(3x+2\right)\left(3x-2\right)}{\left(x-3\right)\left(3x+2\right)}= \frac{3x-2}{x-3}$$