

You may have correctly rewritten each fraction with the least common multiple (LCM) as the denominator:

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

Here you may have incorrectly multiplied  $(3x-2)$  by  $(x-3)$ , obtaining  $(3x^2+6)$ . Remember to use FOIL.