

Qn 5

$$\frac{x+1}{9x^2-9x} - \frac{3}{9x^2-9x}$$

Apply rule $\frac{a}{b} \pm \frac{b}{c} = \frac{a \pm b}{c}$

$$= \frac{x+1-3}{9x^2-9x}$$

$$= \frac{x-2}{9x^2-9x}$$

$$= \frac{x-2}{9x(x-1)}$$

Qn 6

$$\frac{4}{x-1} + \frac{2}{x-1}$$

Apply rule $\frac{a}{c} \pm \frac{b}{c} = \frac{a \pm b}{c}$

$$= \frac{4+2}{x-1}$$

$$= \frac{6}{x-1}$$

$$= \frac{6}{x-1}$$