3. 
$$\frac{2 \times x}{x^2 - 25} + \frac{x + 6}{7 \times x - 35}$$
  $\frac{2 \times x + \frac{x + 6}{7 \times x - 35}}{x^2 - 25} + \frac{x^2 - 12 \times x + 30}{x^2 - 25}$ 

$$\frac{x^2 + 14x + 6}{x^2 - 25}$$

$$\frac{x^2 + 25x + 30}{7x^2 - 175}$$

$$\frac{2x}{x^2-25} + \frac{x+6}{7x-35} = \frac{2x}{(x-5)(x+5)} + \frac{x+6}{7(x-5)}$$

$$= \quad \frac{7 \, (2 \, x)}{7 \, (x-5) \, (x+5)} + \frac{(x+6) \, (x+5)}{7 \, (x-5) \, (x+5)}$$

$$=$$
  $\frac{1}{7(x-x)}$ 

$$= \frac{14 x}{7 (x-5) (x+5)} + \frac{x^2+11 x+30}{7 (x-5) (x+5)}$$

$$= \frac{14 \times x^2 + 11 \times x + 30}{7 (x - 5) (x + 5)}$$

$$= \frac{x^2 + 25 x + 30}{7 x^2 - 175}$$