

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

$$= \frac{x}{4}$$

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

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

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

$$= \frac{x}{4} - \frac{1}{\frac{4x+2}{8x}}$$

$$= \frac{x}{4} - \frac{8x \times x}{4x+2}$$