

**Đề bài**

Thực hiện các phép tính sau:

a)  $\frac{5x+10}{4x-8} \cdot \frac{4-2x}{x+2}$ ;      b)  $\frac{x^2-36}{2x+10} \cdot \frac{3}{6-x}$

**Lời giải đáp án**

$$\begin{aligned} \text{a) } \frac{5x+10}{4x-8} \cdot \frac{4-2x}{x+2} &= \frac{(5x+10) \cdot (4-2x)}{(4x-8) \cdot (x+2)} = \frac{5(x+2) \cdot 2(2-x)}{4(x-2)(x+2)} \\ &= \frac{5(2-x)}{2(x-2)} = -\frac{5}{2} \end{aligned}$$

$$\text{b) } \frac{x^2-36}{2x+10} \cdot \frac{3}{6-x} = \frac{(x^2-36) \cdot 3}{(6-x)(2x+10)} = \frac{-3(x-6)(x+6)}{2(x+5)(6-x)} = -\frac{3(x+6)}{2(x+5)}$$