

Bsp 6.11 b.) $\frac{1}{x-1} - \frac{1}{x+1} = \frac{1(x+1)}{(x-1)(x+1)} - \frac{1(x-1)}{(x+1)(x-1)}$

$$= \frac{\cancel{x+1} - \cancel{x-1}}{(x-1)(x+1)} = \frac{2}{\underline{\underline{x^2-1}}}$$

c) $\frac{1}{a^2+ab} - \frac{1}{(a+b)^2} = \frac{1(a+b)}{a(a+b)(a+b)} - \frac{1 \cdot a}{(a+b)^2 \cdot a} =$

$$= \frac{\cancel{a+b} - \cancel{1 \cdot a}}{(a+b)^2 \cdot a} = \frac{b}{\underline{\underline{(a+b)^2 \cdot a}}}$$