

INDICATIONS

$$a) \frac{x-16}{\sqrt{x}-4} \cdot \frac{\sqrt{x}+4}{\sqrt{x}+4} = \frac{\cancel{(x-16)}(\sqrt{x}+4)}{\cancel{(x-16)} \cdot 1}$$

$$b) \frac{\sqrt{x}-5}{x-25} \cdot \frac{\sqrt{x}-5}{\sqrt{x}-5} = \frac{\cancel{(x-25)} \cdot 1}{\cancel{(x-25)} \cdot (\sqrt{x}-5)}$$

$$c) \frac{4 - \sqrt{16+h}}{h} \cdot \frac{4 + \sqrt{16+h}}{4 + \sqrt{16+h}} = \frac{16 - (16+h)}{h \cdot (4 + \sqrt{16+h})}$$

$$d) \frac{x^2}{\sqrt{x^2+1}-1} \cdot \frac{\sqrt{x^2+1}+1}{\sqrt{x^2+1}+1} = \frac{x^2 \cdot (\sqrt{x^2+1}+1)}{(x^2+1)-1}$$

$$e) \frac{x-5}{\sqrt{2x-1}-3} \cdot \frac{\sqrt{2x-1}+3}{\sqrt{2x-1}+3} = \frac{(x-5)[\sqrt{2x-1}+3]}{(2x-1)-9}$$

f) Bs d'indetermination

$$g) \frac{x-2}{\sqrt{x+1} - \sqrt{2x-1}} \cdot \frac{\sqrt{x+1} + \sqrt{2x-1}}{\sqrt{x+1} + \sqrt{2x-1}} =$$

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

$$\frac{\cancel{(x-2)}(\sqrt{x+1} + \sqrt{2x-1})}{-\cancel{(x-2)}}$$

$$h) \frac{(x - \sqrt{x+6})(x + \sqrt{x+6})}{x - \sqrt{x+6}} \cdot \frac{(x - \sqrt{2-x})}{(x + \sqrt{2-x})(x - \sqrt{2-x})} =$$

$$\frac{\textcircled{x^2 - x - 6} \cdot \cancel{(x-3)(x+2)}}{x - \sqrt{x+6}} \cdot \frac{x - \sqrt{2-x}}{\textcircled{x^2 + x - 2}}$$

$$\textcircled{(x+2)(x-1)}$$